



Company: Esso Australia Pty Ltd.

Well: A-24a  
Field: Flounder  
Rig: Prod 4 / Crane

Country: Australia

Prod 4 / Crane Flounder Gippsland A-24a Esso Australia Pty Ltd.	2-1/8" Phased Powerjet MWPT Perforation Record 7" Posiset Plug Setting Record		
	LOCATION		
	Gippsland Basin Bass Strait	Elev.: K.B. 33.85 m G.L. -93 m D.F. 33.85 m	
	Permanent Datum: M.S.L.	Elev.: 0 m	
	Log Measured From: K.B.	33.8 m above Perm. Datum	
Drilling Measured From: K.B.			
State: Victoria	Max. Well Deviation 47 deg	Longitude 148° 06' 15.10"E	Latitude 38° 18' 45.24"S

Logging Date	17-Sep-2008		
Run Number	1		
Depth Driller	3162 m		
Schlumberger Depth	3130 m		
Bottom Log Interval	3130 m		
Top Log Interval	2600 m		
Casing Fluid Type	Production Fluids		
Salinity			
Density			
Fluid Level	350 m		
BIT/CASING/TUBING STRING			
Bit Size	8.500 in		
From	662 m		
To	3193 m		
Casing/Tubing Size	7.000 in		
Weight	26 lbn/ft		
Grade	L-80		
From	13.5 m		
To	3186 m		
Maximum Recorded Temperatures	229 degF		
Logger On Bottom	17-Sep-2008	8:29	
Unit Number	889	Prod 4 / AUSL	
Recorded By	S Gilbert		
Witnessed By	D Madden		

Run 1			
PVT DATA			
Oil Density			
Water Salinity			
Gas Gravity			
Bo			
Bw			
1/Bg			
Bubble Point Pressure			
Bubble Point Temperature			
Solution GOR			
Maximum Deviation	47 deg		
CEMENTING DATA			
Primary/Squeeze	Primary		
Casing String No			
Lead Cement Type			
Volume			
Density			
Water Loss			
Additives			
Tail Cement Type			
Volume			
Density			
Water Loss			
Additives			
Expected Cement Top			
Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Fluid Type			
Salinity			
Density			
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size			
From			
To			
Casing/Tubing Size			
Weight			
Grade			
From			
To			
Maximum Recorded Temperatures			
Logger On Bottom			
Unit Number			
Recorded By			
Witnessed By			

## DEPTH SUMMARY LISTING

Date Created: 5-SEP-2008 12:54:08

### Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-BE	Type:	PSDS/OSDS	Type:	2-32ZT
Serial Number:	6373	Serial Number:	-999	Serial Number:	208196
Calibration Date:	01-Dec-2007	Calibration Date:	02-Sep-08	Length:	6939.99 M
Calibrator Serial Number:	9	Calibrator Serial Number:	1174	Conveyance Method: Wireline Rig Type: Rigless	
Calibration Cable Type:	2-32ZT	Calibration Gain:	1.00		
Wheel Correction 1:	-2	Calibration Offset:	0.00		
Wheel Correction 2:	-4				

### Depth Control Parameters

Log Sequence:	Subsequent Log In the Well
Reference Log Name:	
Reference Log Run Number:	FLA A24a Petrophysical Analysis.
Reference Log Date:	16-Mar-2003

### Depth Control Remarks

1. IDW-BE 6373 used as primary depth control.
2. Z-Chart used as back-up.
3.
4.
5.
6.

#### DISCLAIMER

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OTHER SERVICES1
OS1: None
OS2:
OS3:
OS4:
OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Log correlated to ExxonMobil Solar Composite Log supplied with logging program.	
Objectives: Run Dummy Plug to HUD & conduct Static Pressure/Temperature Stations @ 3115m, 3105m, 3095m & 3085m MDKB for 10 mins	
Set a 7" 26lb Posiset Plug with top of seal at 3096m MDKB and Dump 1m of Cement on top.	
Perforate the well over the interval 2652m to 2657.3 MDKB with a 2 1/8" 45deg Phased Powerjet Gun with MWPT.	
Maximum Well Deviation - 47deg @ 630m MDKB	
HUD: 3130 Dummy Plug Run Tool Zero to Pressure/Temperature Sensor = 3.1m	
Plug#1	



MPEX-BA 7" Posiset Plug  
MPEX-BA

2.26

TOOL BOTTOM

MAXIMUM STRING DIAMETER 2.13 IN  
MEASUREMENTS RELATIVE TO TOOL ZERO  
ALL LENGTHS IN METERS

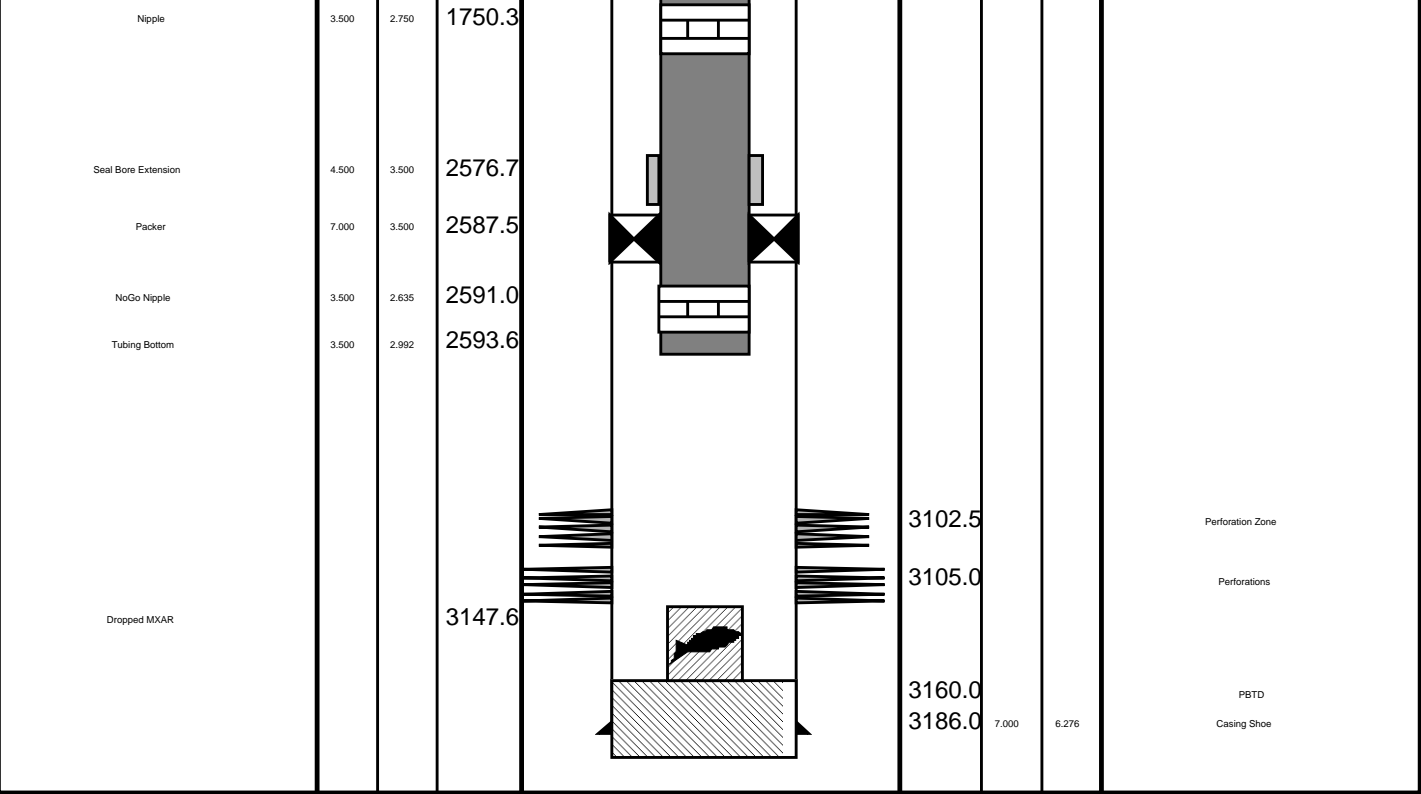
MWP\_GUN  
GUN-5.3mtr Powerjet Gun 1

6.71

TOOL BOTTOM

MAXIMUM STRING DIAMETER 2.13 IN  
MEASUREMENTS RELATIVE TO TOOL ZERO  
ALL LENGTHS IN METERS

Production String	(in)		(m)	Well Schematic	(m)			(in)	Casing String
	OD	ID	MD		MD	OD	ID		
Tubing Hanger	7.000	3.500	12.2		7.000	6.276	Casing String		
Tubing	3.500	2.992			10.750			Casing String	
SSSV	3.500	2.750	453.0						
					662.6	10.750		Casing Shoe	
Side Pocket Mandrel	3.500		906.7						
Side Pocket Mandrel	3.500		1494.2						
Side Pocket Mandrel	3.500		1734.3						



## Job Events Summary

MAXIS Field Log

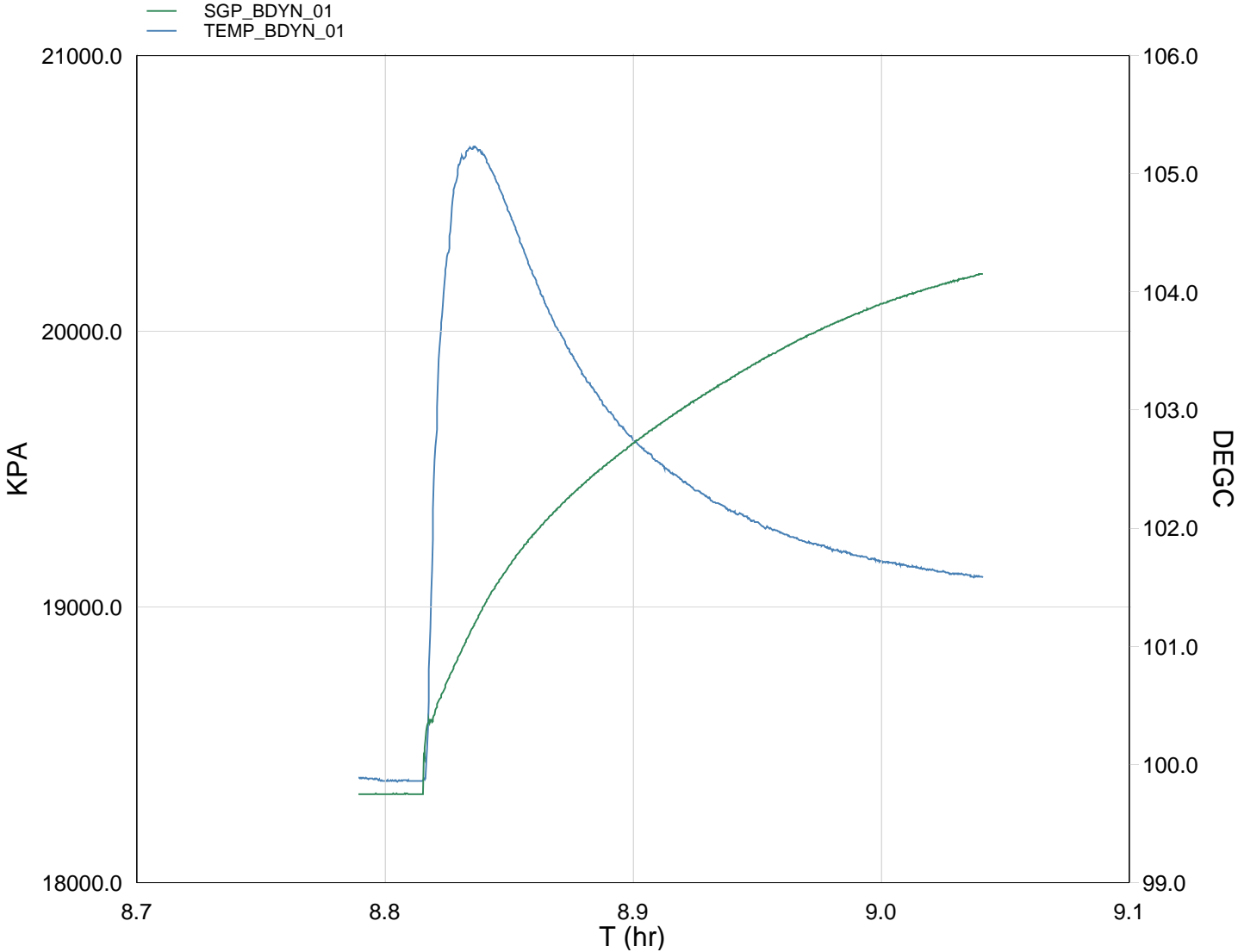
### Schlumberger Job Event Summary

	Time	Elapsed Time	Depth (M)	File
Station Log	17-Sep-2008 7:30	000:10	3118.1 - 1.6	PSP_016LTP
Station Log	17-Sep-2008 7:43	000:10	3108.1 - 1.5	PSP_017LTP
Station Log	17-Sep-2008 7:55	000:10	3098.1 - 1.5	PSP_018LTP
Station Log	17-Sep-2008 8:07	000:10	3088.1 - 1.5	PSP_019LTP
Log Pass (up)	17-Sep-2008 8:23	000:35	3133.5 - 2539.3	PSP_020LUP
Log Pass (up)	17-Sep-2008 10:43	000:02	2609.5 - 2595.7	MPBT_031LUP
Log Pass (up)	17-Sep-2008 10:56	000:07	3117.2 - 3089.0	MPBT_033LUP
Simulated Log	17-Sep-2008 11:07	000:23		MPBT_034LUP
Log Pass (up)	17-Sep-2008 13:38	000:05	3086.9 - 3046.0	PERFO_040LUP
Log Pass (up)	17-Sep-2008 15:10	000:07	3086.6 - 3041.9	PERFO_043LUP
Log Pass (up)	18-Sep-2008 8:31	000:04	2680.9 - 2647.5	PERFO_053LUP
Log Pass (up)	18-Sep-2008 8:40	000:26	2683.6 - 2623.4	PERFO_054LUP
Station Log	18-Sep-2008 8:47	000:15	2648.5 - 2.3	PERFO_055LTP



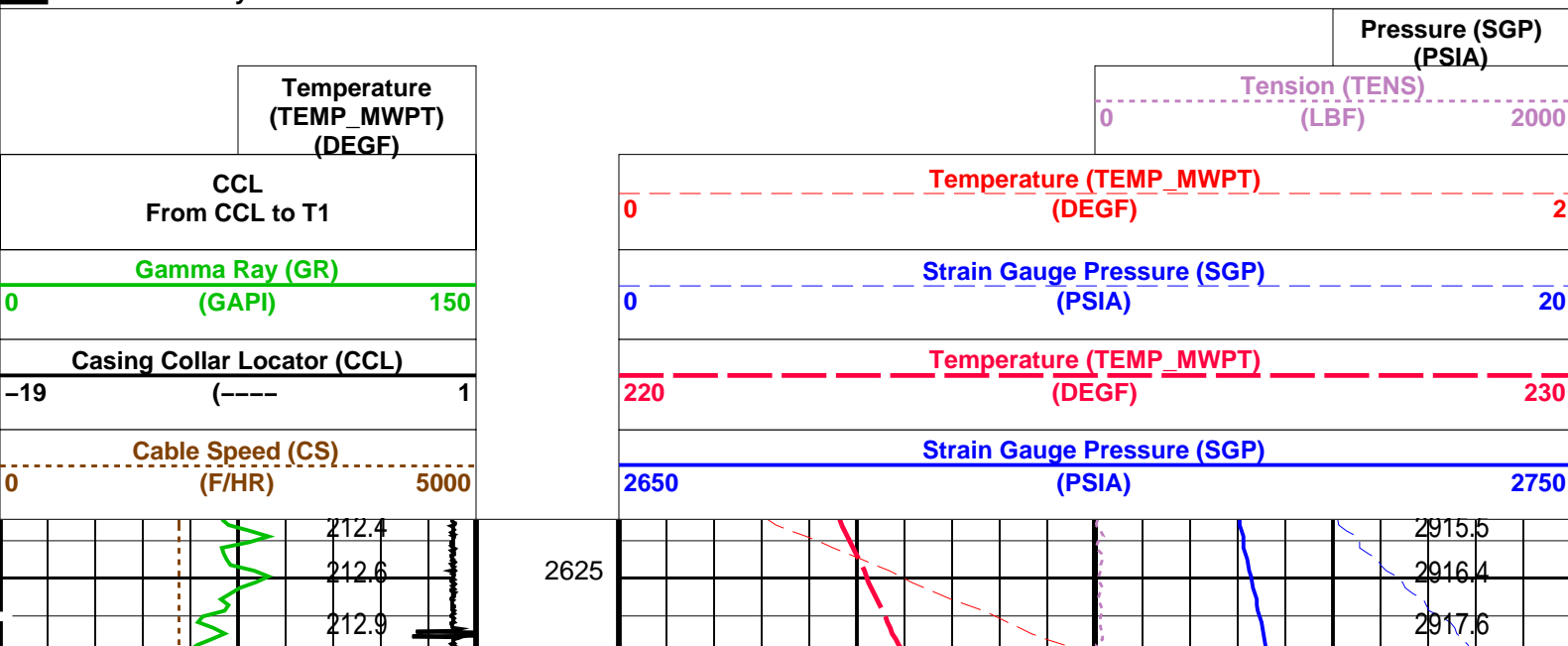
Gun# 1  
Fired @ 2652m MDKB

MAXIS Field Log

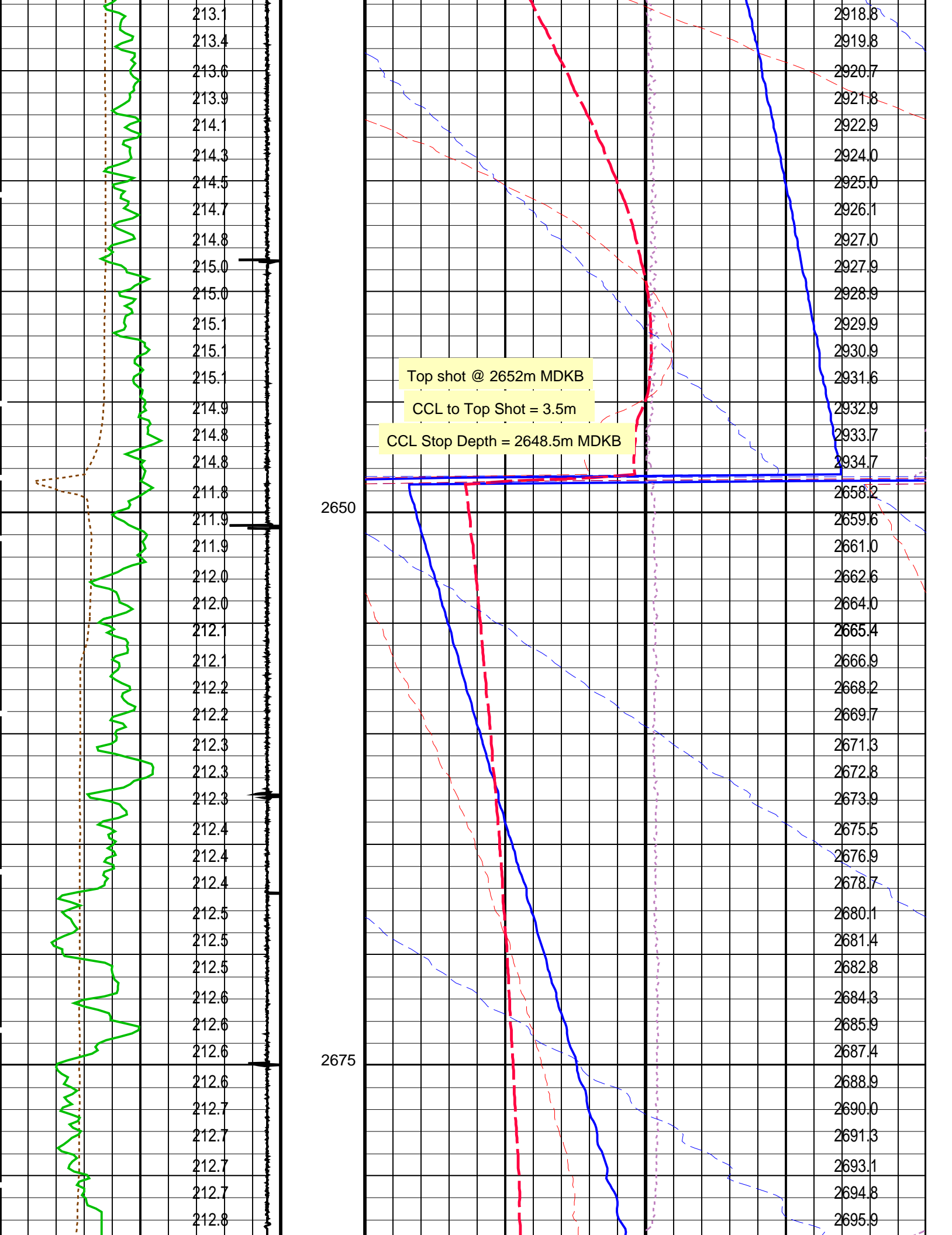


TIME	KPA	PSIA	DEGF
2970.0	18226.6853	2643.5613	210.7082
3015.0	18321.1828	2657.2669	211.7648
3060.0	18322.4551	2657.4514	211.7536
3105.0	18678.3379	2709.0679	218.7132
3150.0	18922.5365	2744.4860	221.3747
3150.0	18922.5365	2744.4860	221.3747
3150.0	18922.5365	2744.4860	221.3747
3150.0	18922.5365	2744.4860	221.3747
3150.0	18922.5365	2744.4860	221.3747
3150.0	18922.5365	2744.4860	221.3747

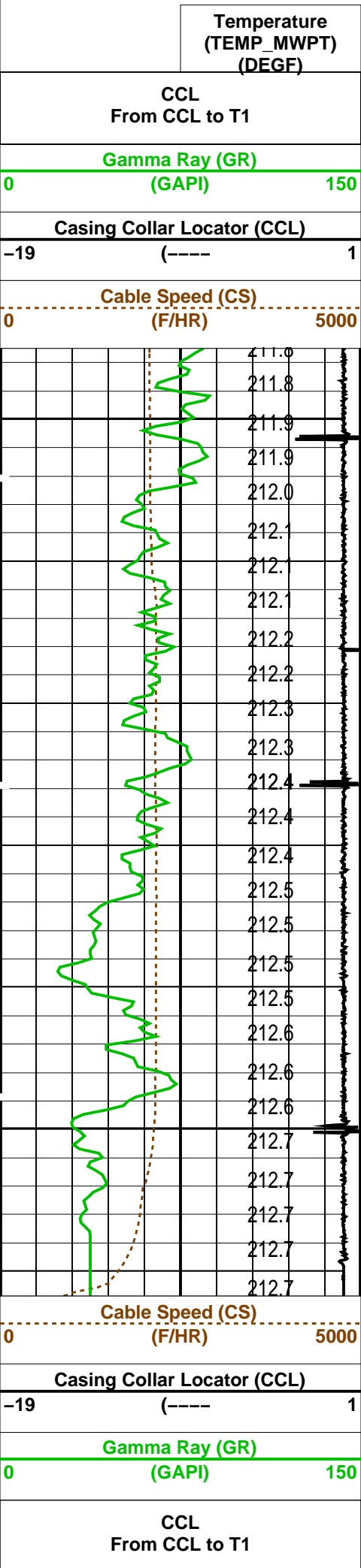
Gun Fired

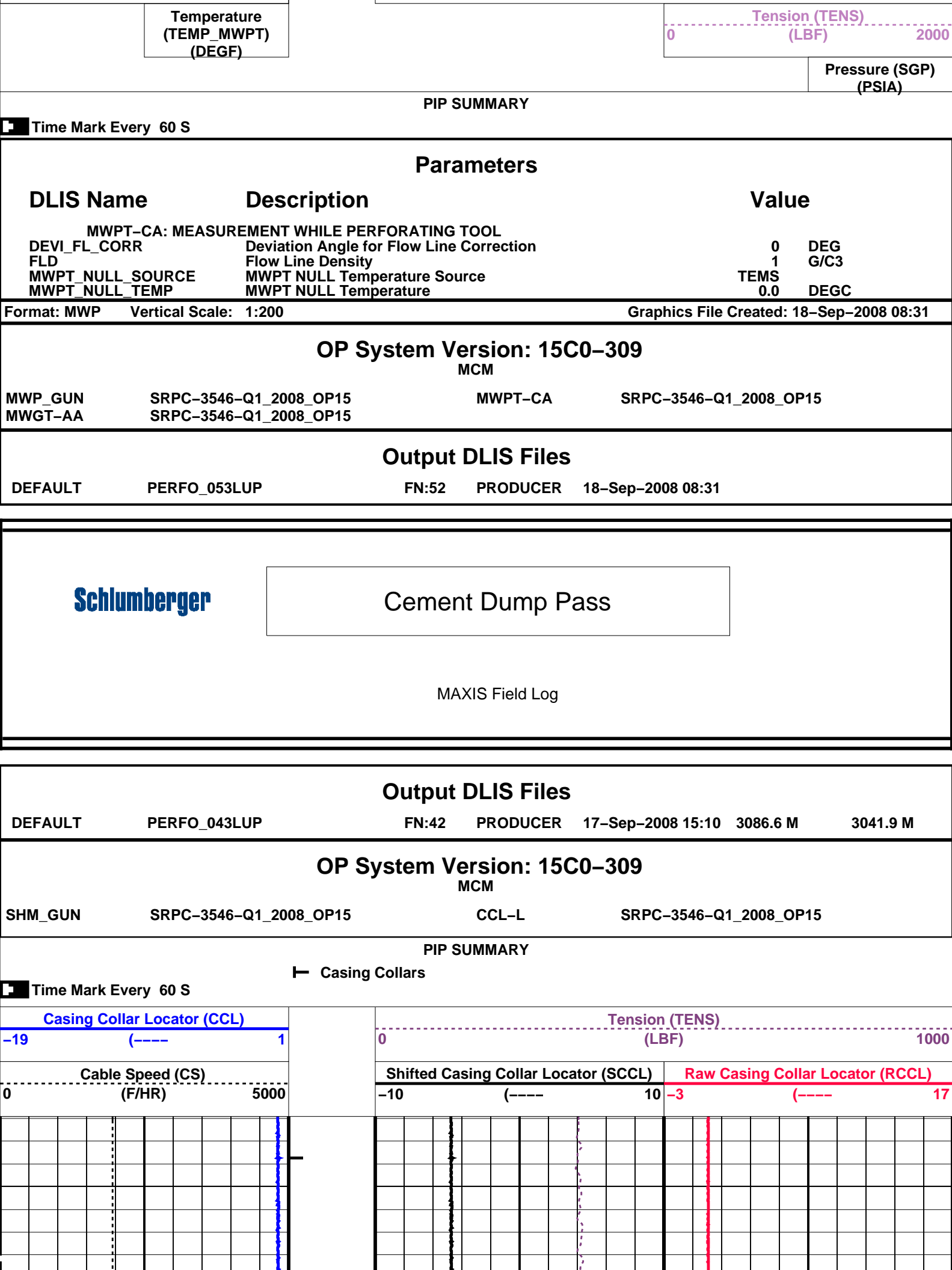


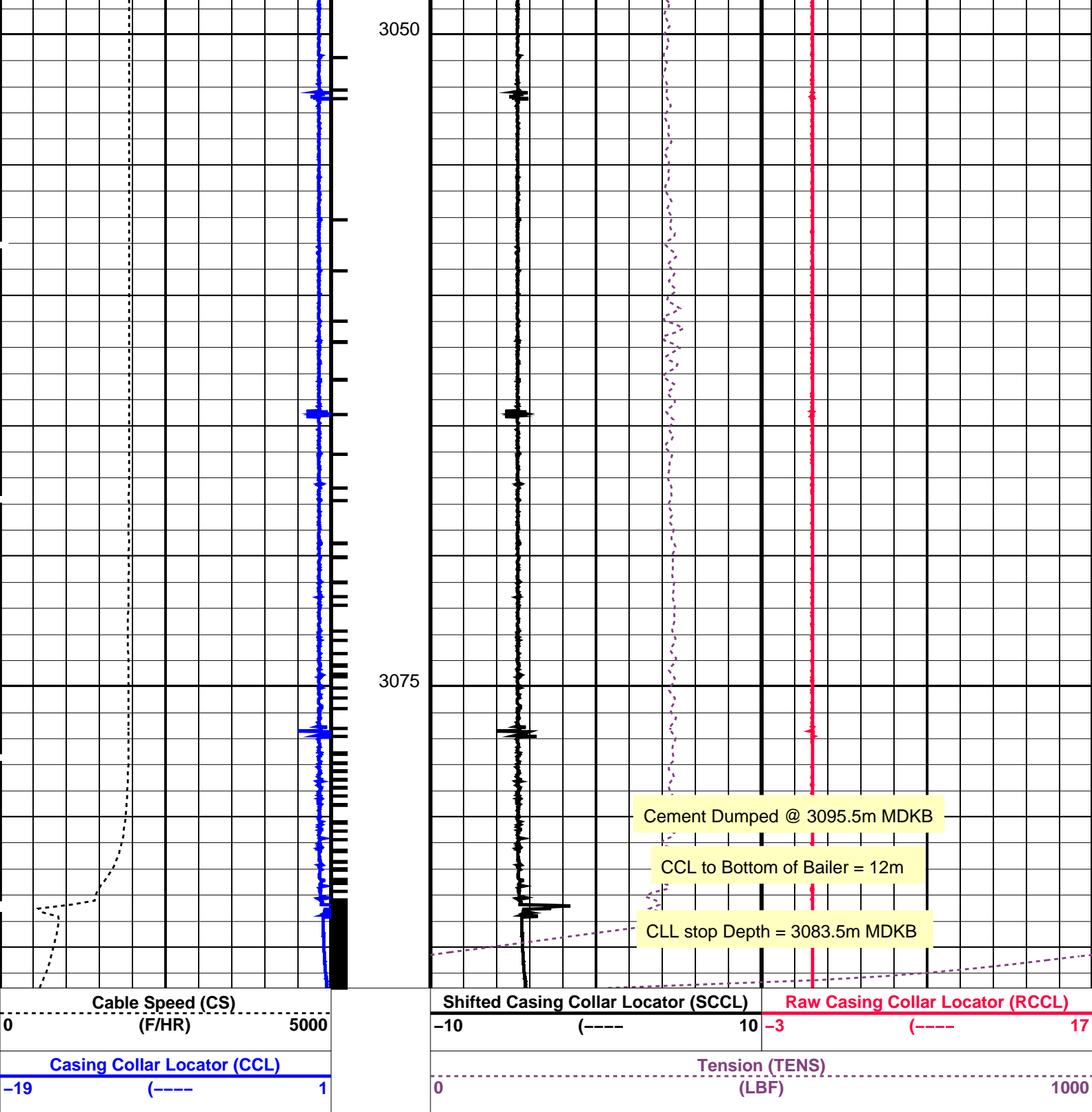












#### PIP SUMMARY

Time Mark Every 60 S

#### Parameters

DLIS Name	Description	Value
CCL-L: Casing Collar Locator		
CCLD	CCL reset delay	12 IN
CCLT	CCL Detection Level	0.3 V

Format: PERFO\_1 Vertical Scale: 1:200

Graphics File Created: 17-Sep-2008 15:10

OP System Version: 15C0-309

MCM

SHM\_GUN

SRPC-3546-Q1\_2008\_OP15

CCL-L

SRPC-3546-Q1\_2008\_OP15

Output DLIS Files

DEFAULTPERFO\_043LUPFN:42PRODUCER17-Sep-2008 15:10

Schlumberger

Water Dump Pass

MAXIS Field Log

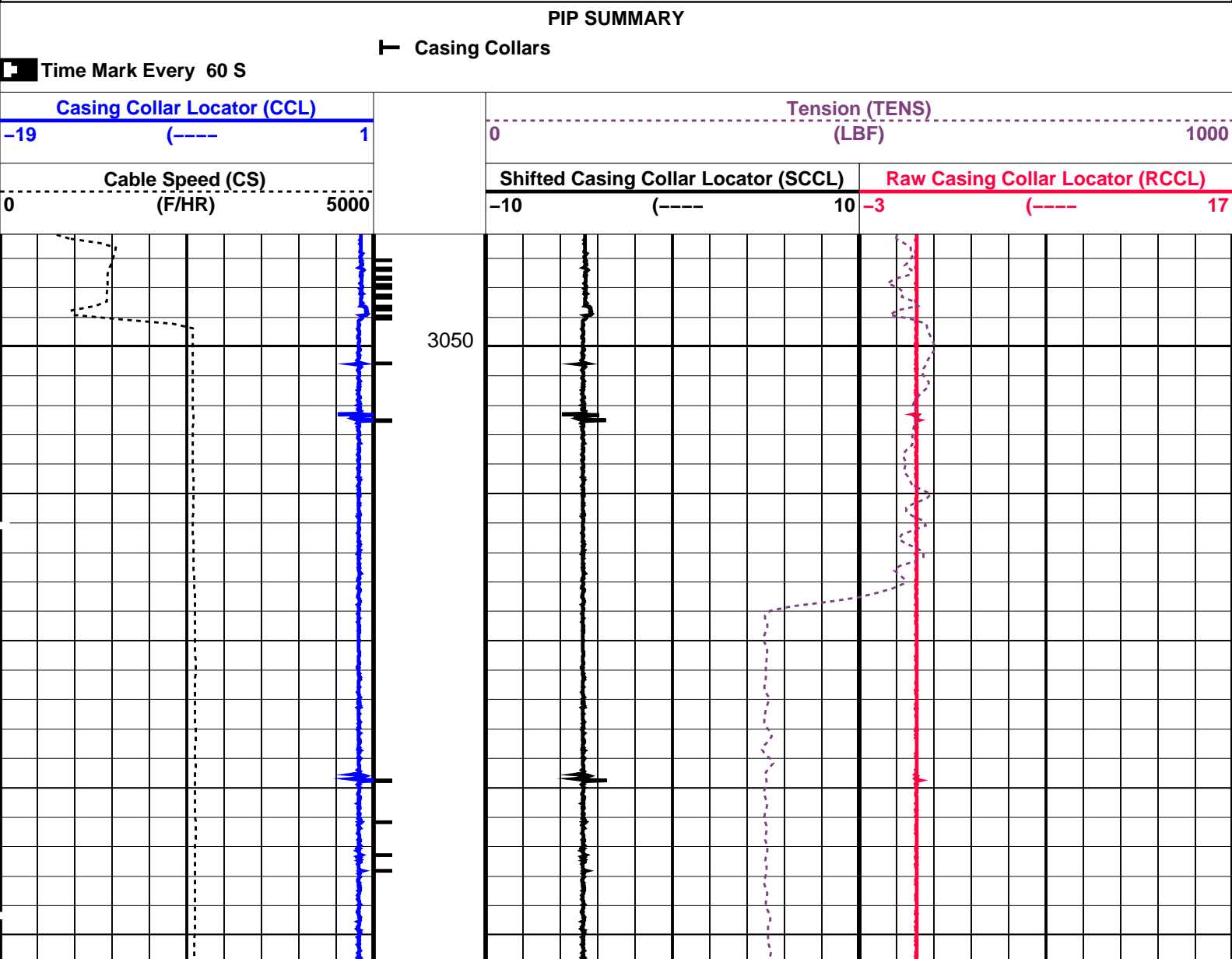
Output DLIS Files

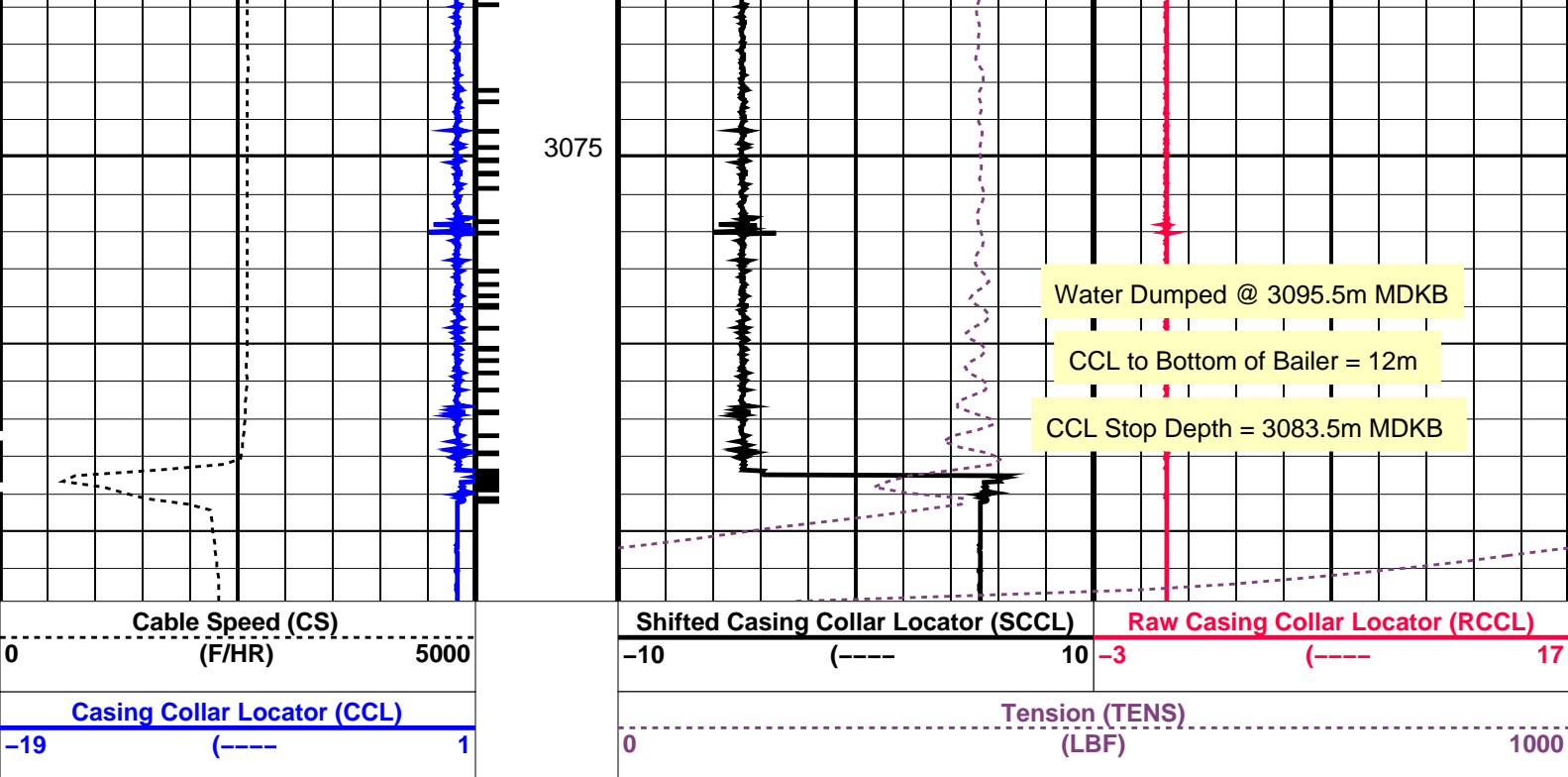
DEFAULTPERFO\_040LUPFN:39PRODUCER17-Sep-2008 13:383086.9 M3046.0 M

OP System Version: 15C0-309

MCM

SHM\_GUNSRPC-3546-Q1\_2008\_OP15CCL-LSRPC-3546-Q1\_2008\_OP15





#### PIP SUMMARY

← Casing Collars

Time Mark Every 60 S

#### Parameters

DLIS Name	Description	Value
CCL-L: Casing Collar Locator		
CCLD	CCL reset delay	12 IN
CCLT	CCL Detection Level	0.3 V

Format: PERFO\_1 Vertical Scale: 1:200

Graphics File Created: 17-Sep-2008 13:38

OP System Version: 15C0-309  
MCM

SHM\_GUN SRPC-3546-Q1\_2008\_OP15 CCL-L SRPC-3546-Q1\_2008\_OP15

#### Output DLIS Files

DEFAULT PERFO\_040LUP FN:39 PRODUCER 17-Sep-2008 13:38

**Schlumberger**

Log Away Form Plug Setting  
(Top of seal @ 3096m MDKB)

MAXIS Field Log

#### Output DLIS Files

DEFAULT MPBT\_035LUP FN:34 PRODUCER 17-Sep-2008 11:31 3088.8 M 3000.0 M

OP System Version: 15C0-309  
MCM

PIP SUMMARY

Time Mark Every 60 S

Casing Collars

Casing Collar Locator (CCL)

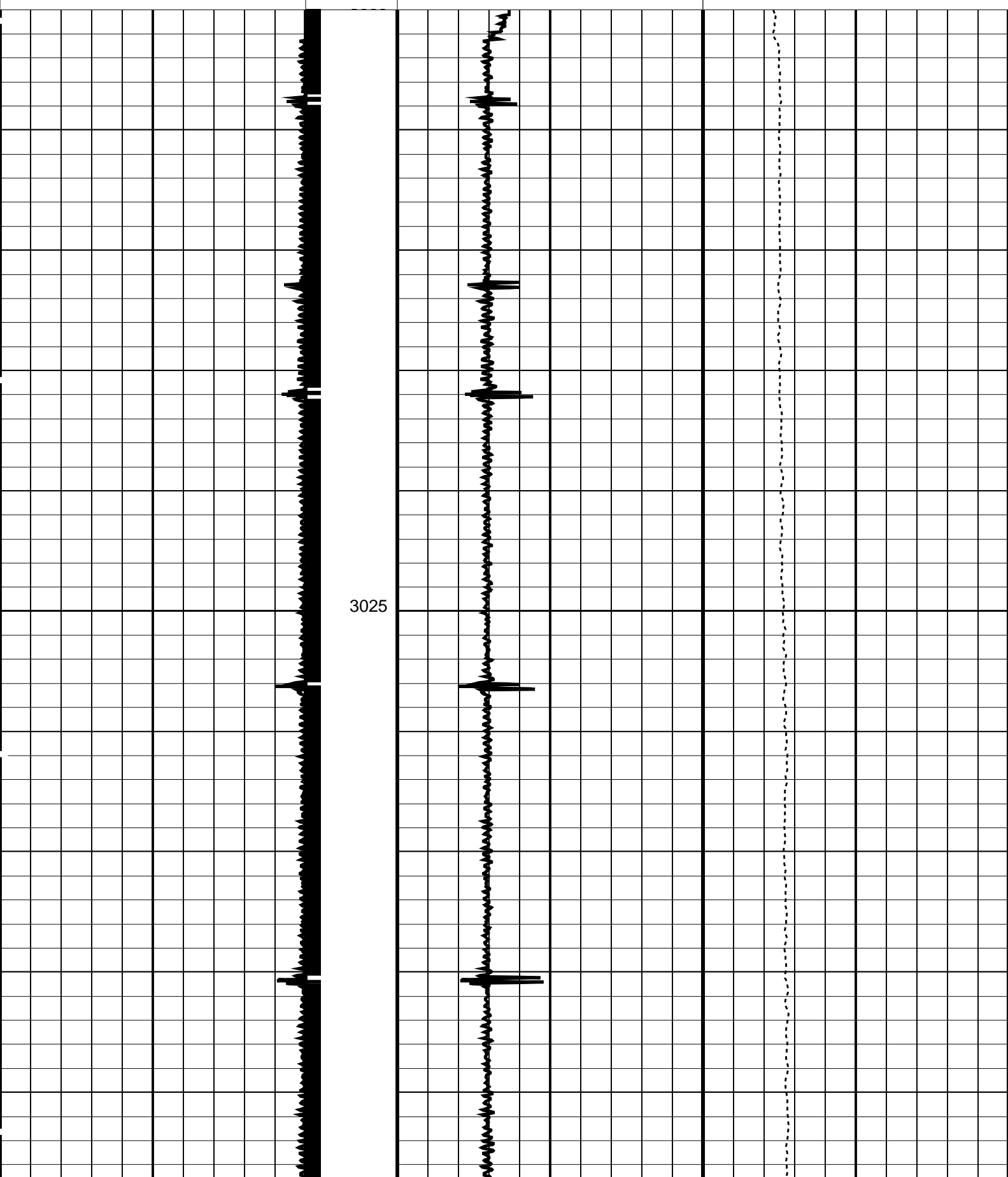
Shifted Casing Collar Locator (SCCL)

Tension (TENS)

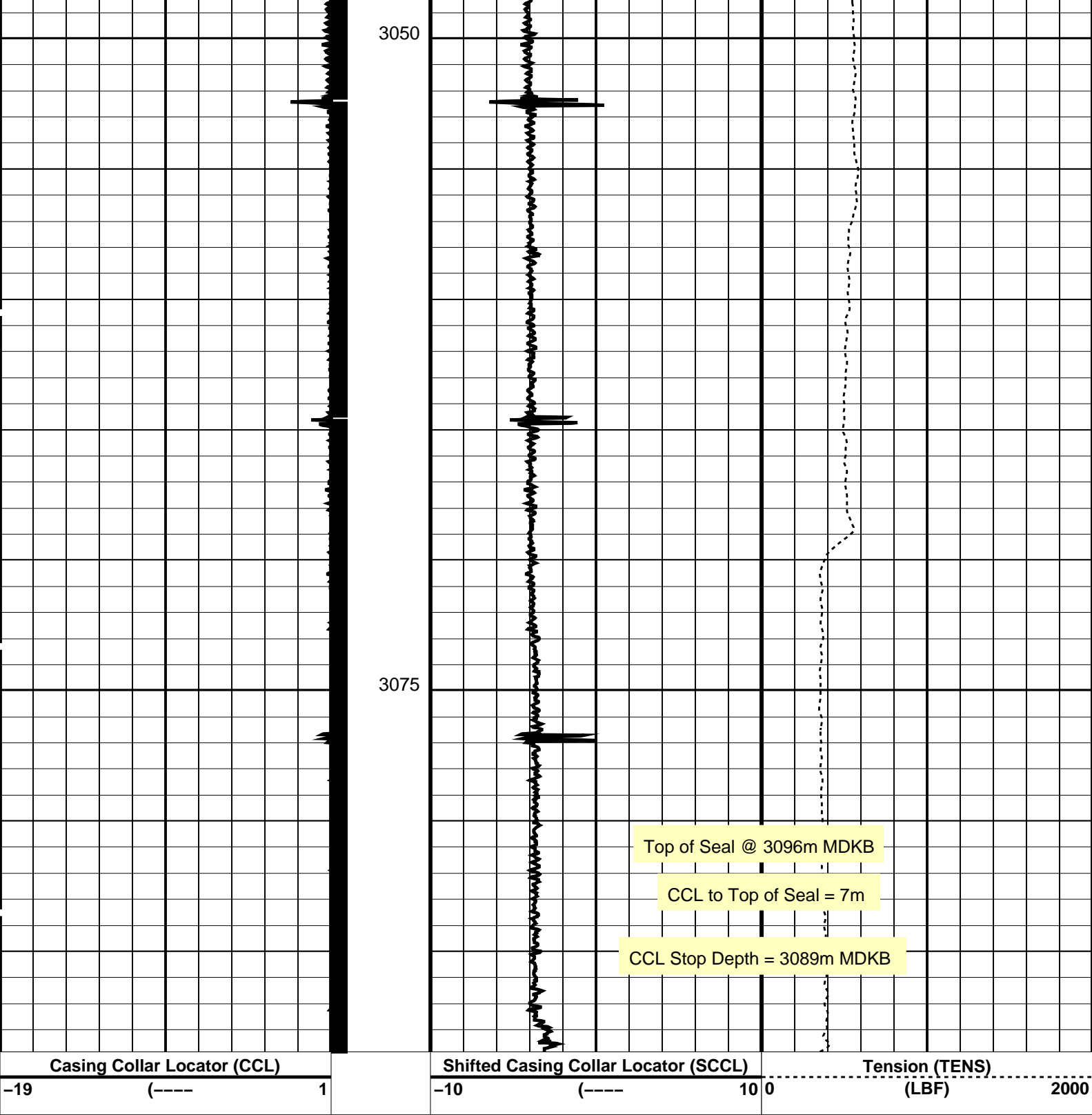
-19 (----) 1

-10 (----) 10 0

(LBF) 2000







PIP SUMMARY

Time Mark Every 60 S

Casing Collars

Parameters		
DLIS Name	Description	Value
CCLD	CCL-PCCL: Casing Collar Locator	12 IN
CCLT	CCL reset delay	0.3 V
	CCL Detection Level	

Format: PERFO Vertical Scale: 1:200 Graphics File Created: 17-Sep-2008 11:31

OP System Version: 15C0-309

MCM

MPEX-BA  
CCL-PCCL

SRPC-3546-Q1\_2008\_OP15  
SRPC-3546-Q1\_2008\_OP15

MPSU-CA

SRPC-3546-Q1\_2008\_OP15

Output DLIS Files

DEFAULTMPBT\_035LUPFN:34PRODUCER17-Sep-2008 11:31

Schlumberger

Plug # 1  
Top of Seal @ 3096m MDKB

MAXIS Field Log

Output DLIS Files

DEFAULTMPBT\_034LUPFN:33PRODUCER17-Sep-2008 11:07

OP System Version: 15C0-309

MCM

MPEX-BA  
CCL-PCCL

SRPC-3546-Q1\_2008\_OP15  
SRPC-3546-Q1\_2008\_OP15

MPSU-CA

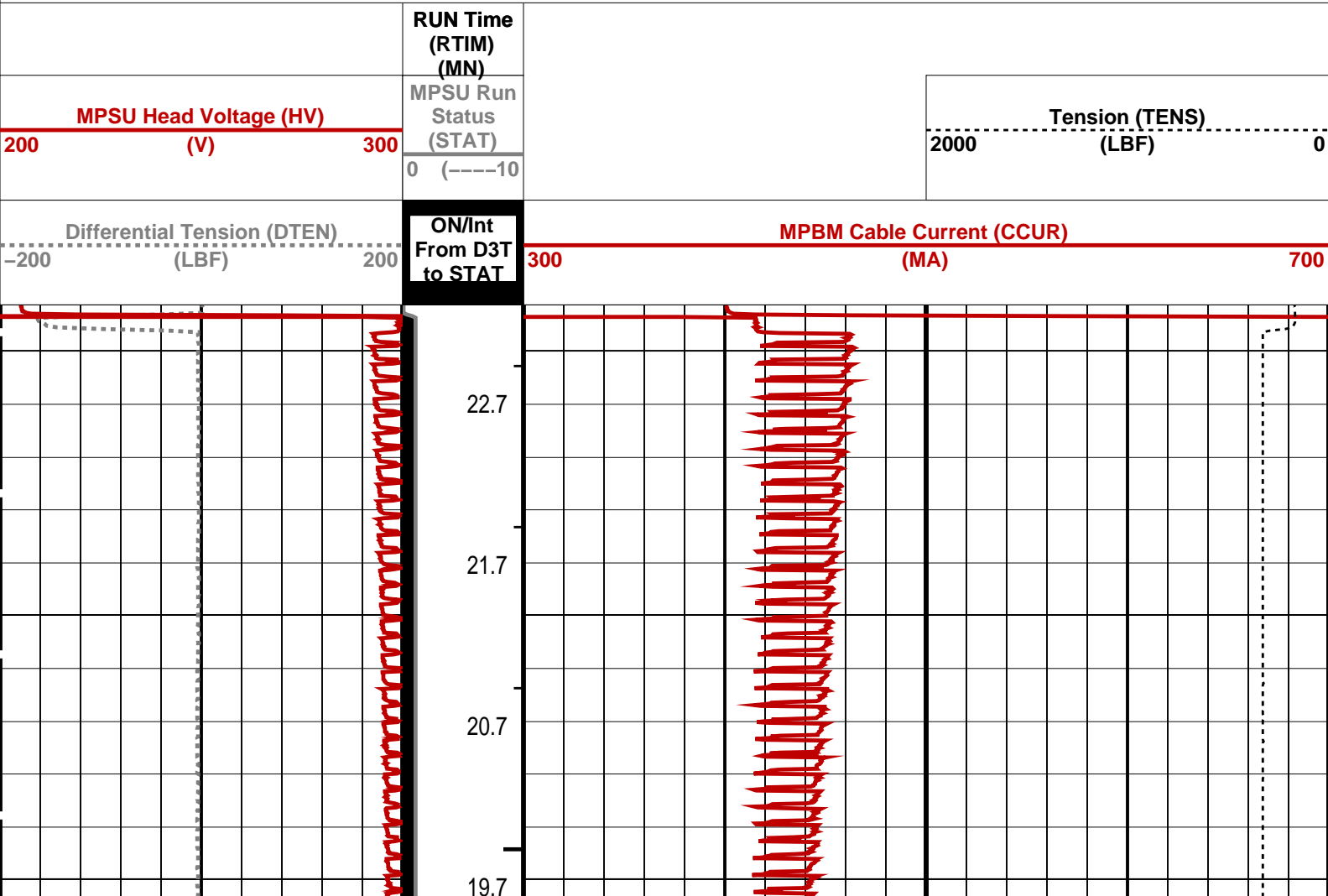
SRPC-3546-Q1\_2008\_OP15

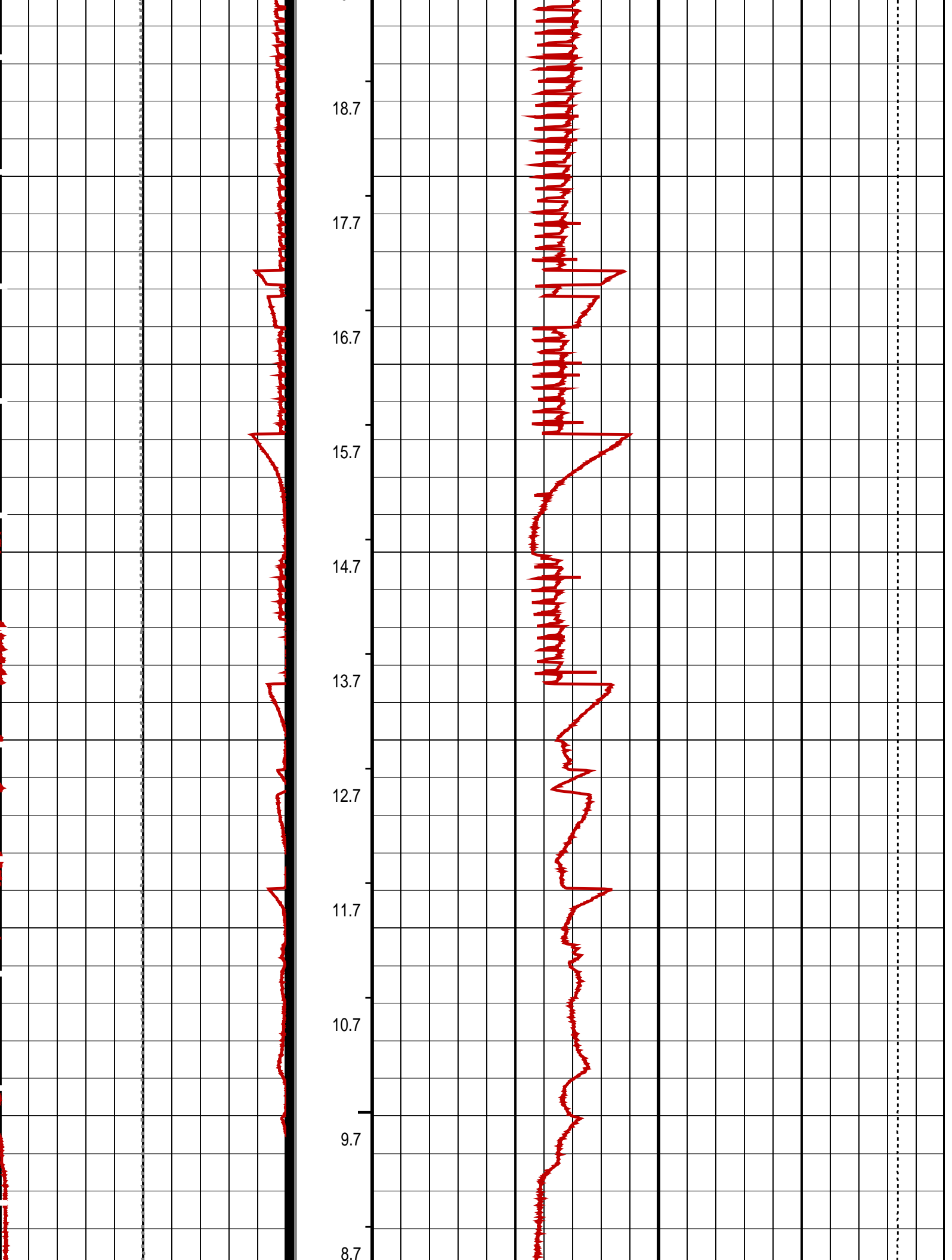
PIP SUMMARY

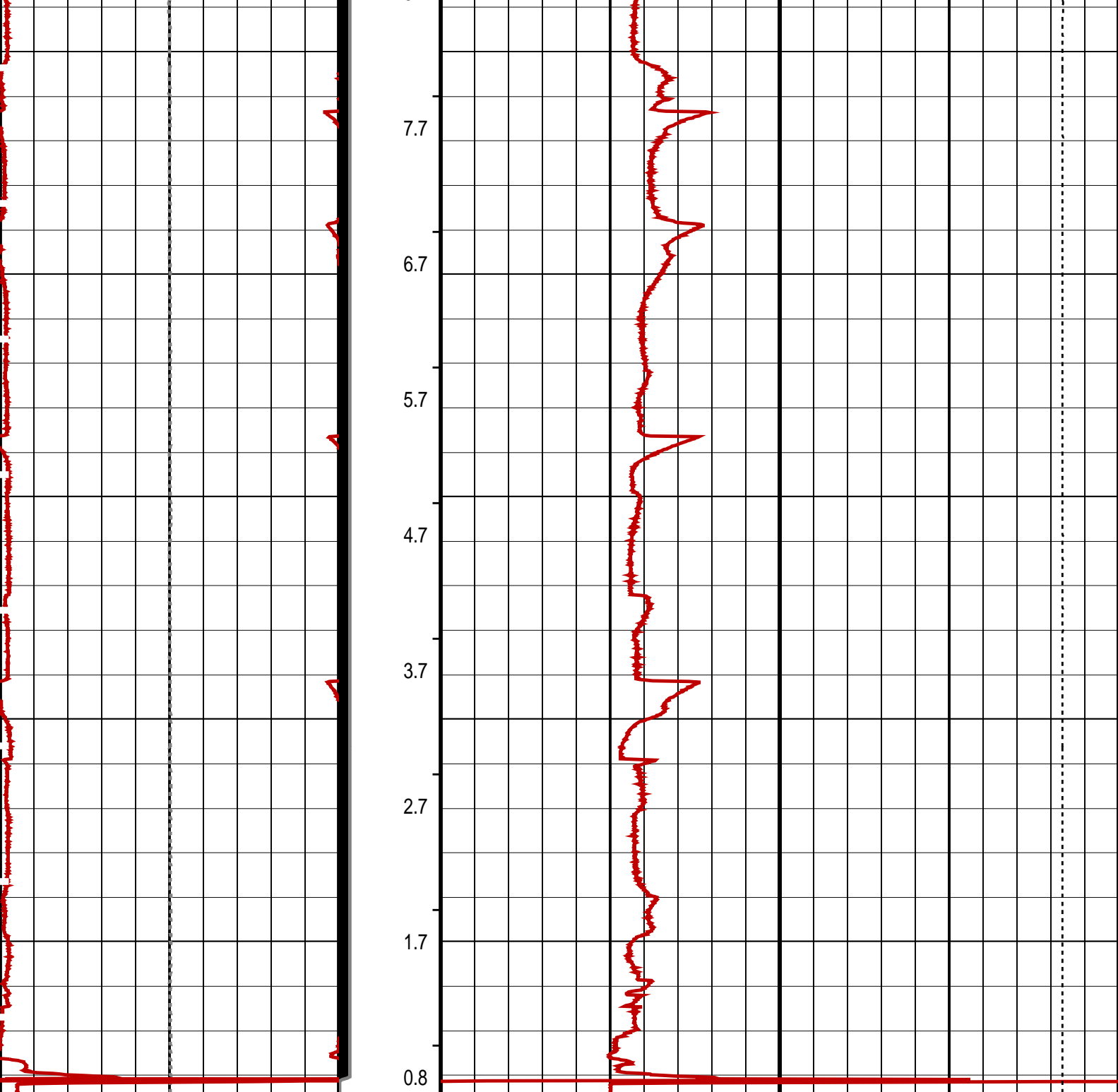
→ MPSU Run Time Every 1 MN

→ MPSU Run Time Every 10 MN

Time Mark Every 60 S







Differential Tension (DTEN) (LBF)		ON/Int From D3T to STAT	MPBM Cable Current (CCUR) (MA)	
-200	200		300	700
MPSU Head Voltage (HV) (V)			Tension (TENS) (LBF)	
200	300	MPSU Run Status (STAT)	2000	0
		0 (----10		
		RUN Time (RTIM) (MN)		


PIP SUMMARY

- ⊥ MPSU Run Time Every 1 MN
- MPSU Run Time Every 10 MN

Time Mark Every 60 S

Parameters

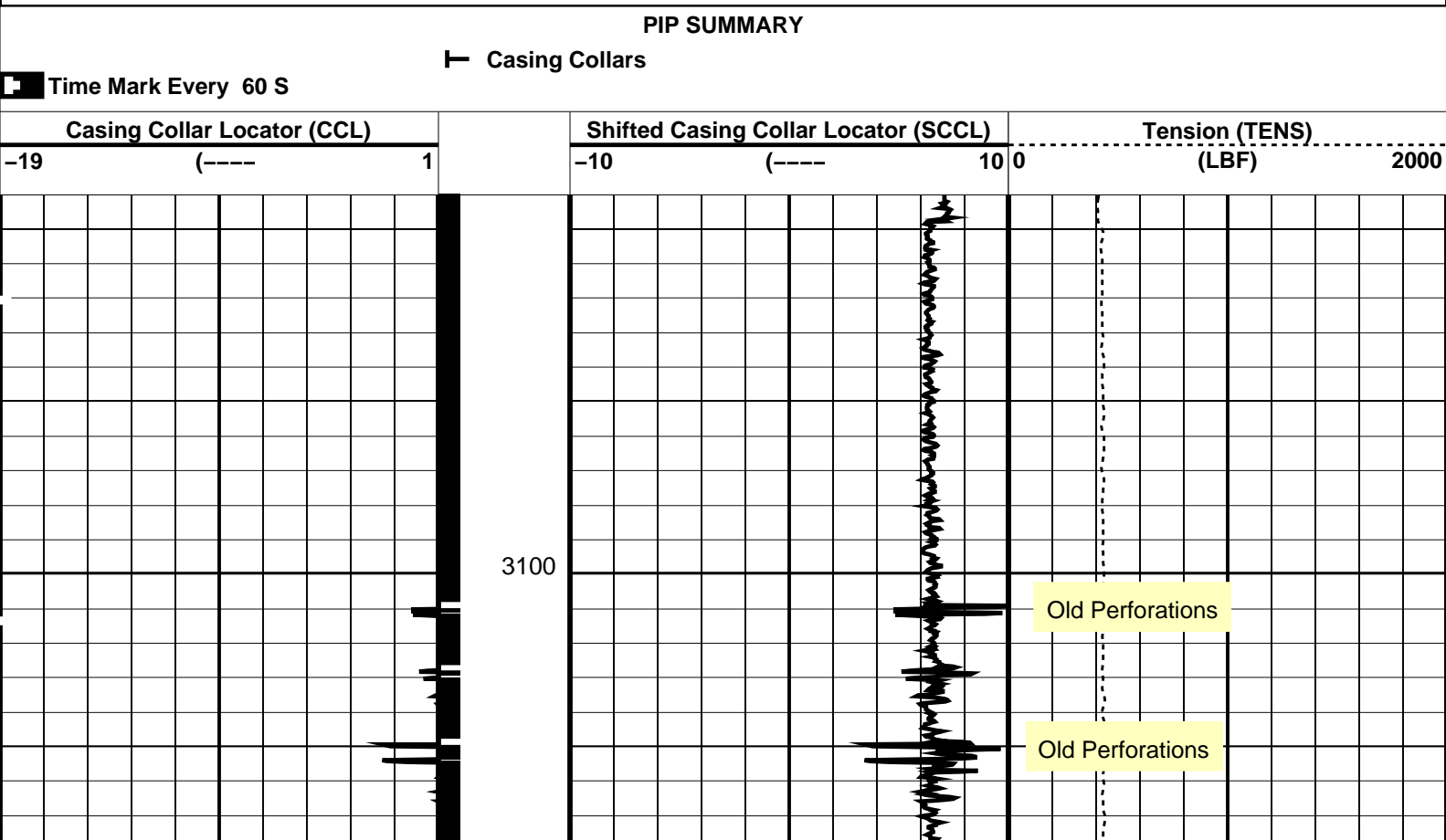
DLIS Name	Description	Value
MPSU-CA: MECHANICAL PLUGBACK SETTING UNIT IPUMP	Intensifier Pump	TRUE
Format: MPBT	Vertical Scale: 1:600	Graphics File Created: 17-Sep-2008 11:07
OP System Version: 15C0-309 MCM		
MPEX-BA CCL-PCCL	SRPC-3546-Q1_2008_OP15 SRPC-3546-Q1_2008_OP15	MPSU-CA SRPC-3546-Q1_2008_OP15
Output DLIS Files		
DEFAULT	MPBT_034LUP	FN:33 PRODUCER 17-Sep-2008 11:07

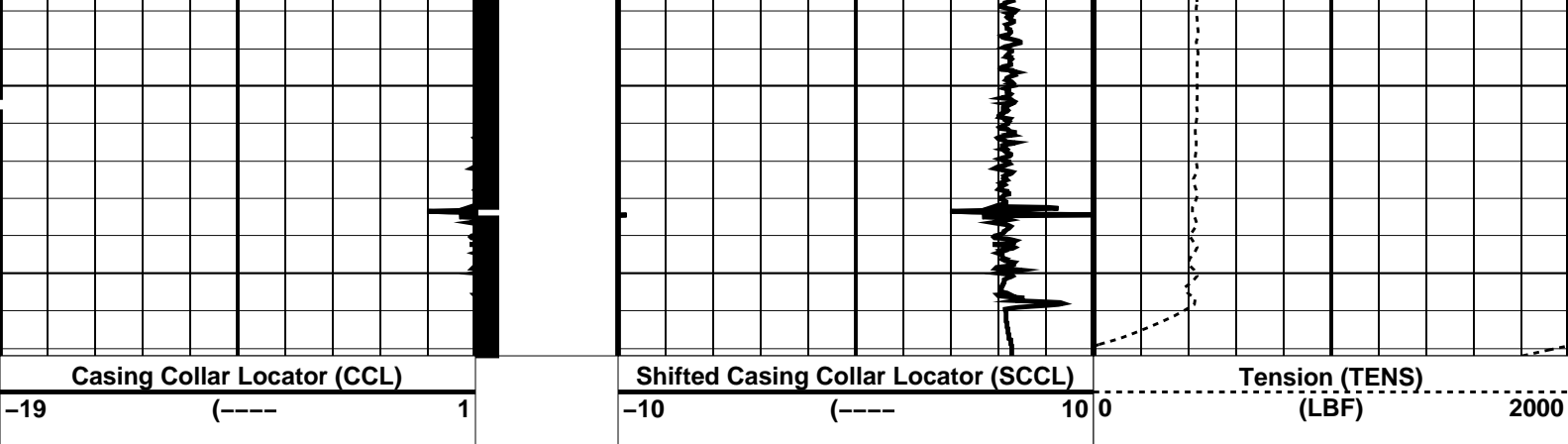


Plug # 1  
Log up to Set Depth

MAXIS Field Log

Output DLIS Files						
DEFAULT	MPBT_033LUP	FN:32	PRODUCER	17-Sep-2008 10:56	3117.2 M	3089.0 M
OP System Version: 15C0-309 MCM						
MPEX-BA CCL-PCCL	SRPC-3546-Q1_2008_OP15 SRPC-3546-Q1_2008_OP15	MPSU-CA		SRPC-3546-Q1_2008_OP15		





PIP SUMMARY

Time Mark Every 60 S


Casing Collars

Parameters		
DLIS Name	Description	Value
CCLD	CCL-PCCL: Casing Collar Locator	12 IN
CCLT	CCL reset delay	0.3 V
	CCL Detection Level	

Format: PERFO    Vertical Scale: 1:200    Graphics File Created: 17-Sep-2008 10:56

OP System Version: 15C0-309			
MCM			
MPEX-BA	SRPC-3546-Q1_2008_OP15	MPSU-CA	SRPC-3546-Q1_2008_OP15
CCL-PCCL	SRPC-3546-Q1_2008_OP15		

Output DLIS Files			
DEFAULT	MPBT_033LUP	FN:32    PRODUCER	17-Sep-2008 10:56



Correlate to EOT

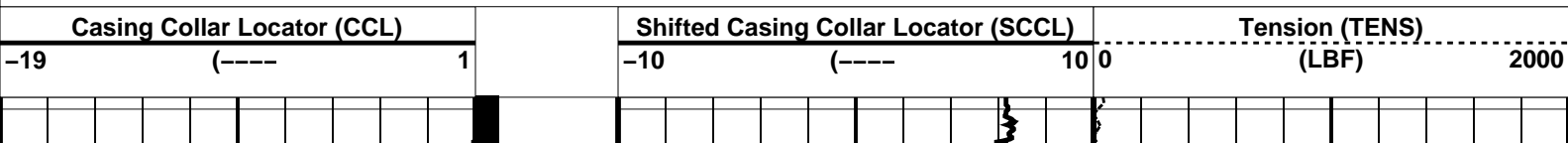
MAXIS Field Log

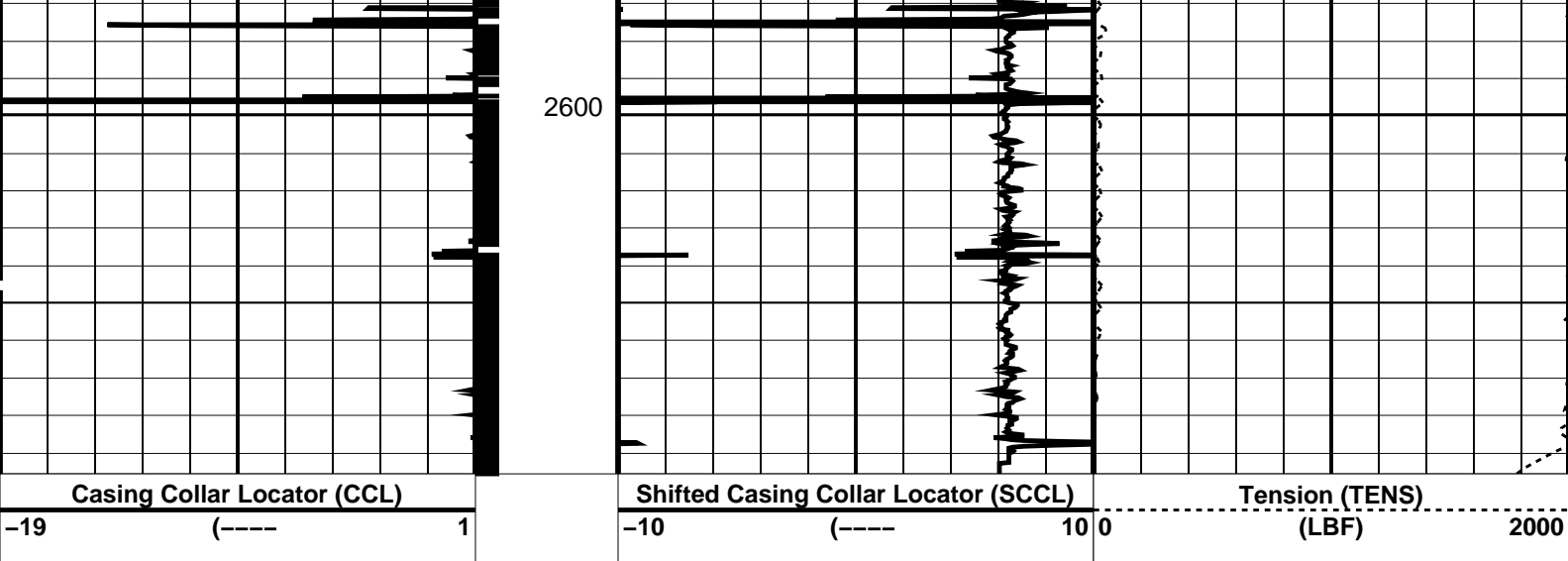
Output DLIS Files					
DEFAULT	MPBT_031LUP	FN:30    PRODUCER	17-Sep-2008 10:43	2609.5 M	2595.7 M
OP System Version: 15C0-309					
MCM					
MPEX-BA	SRPC-3546-Q1_2008_OP15	MPSU-CA	SRPC-3546-Q1_2008_OP15		
CCL-PCCL	SRPC-3546-Q1_2008_OP15				

PIP SUMMARY

Time Mark Every 60 S

Casing Collars





PIP SUMMARY  
Time Mark Every 60 S  
Casing Collars

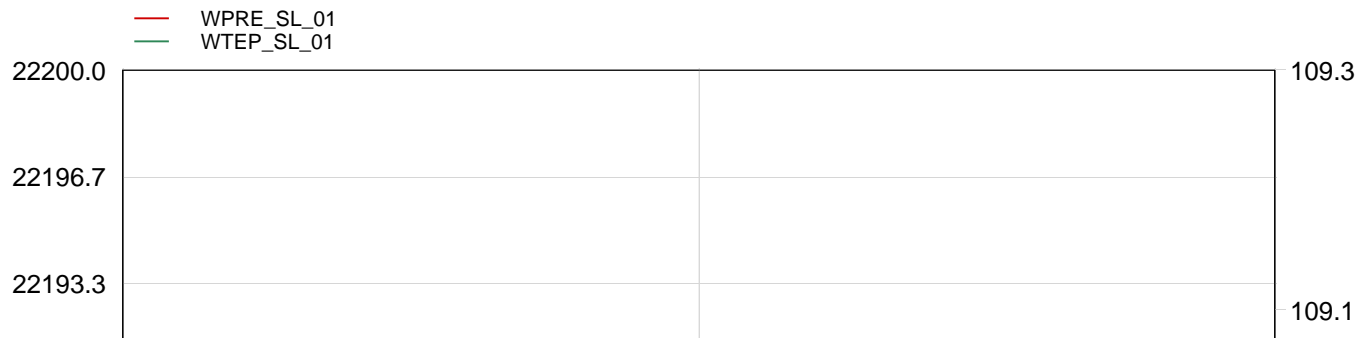
Parameters		
DLIS Name	Description	Value
CCLD	CCL-PCCL: Casing Collar Locator	12 IN
CCLT	CCL reset delay	0.3 V
	CCL Detection Level	
Format: PERFO Vertical Scale: 1:200		Graphics File Created: 17-Sep-2008 10:43

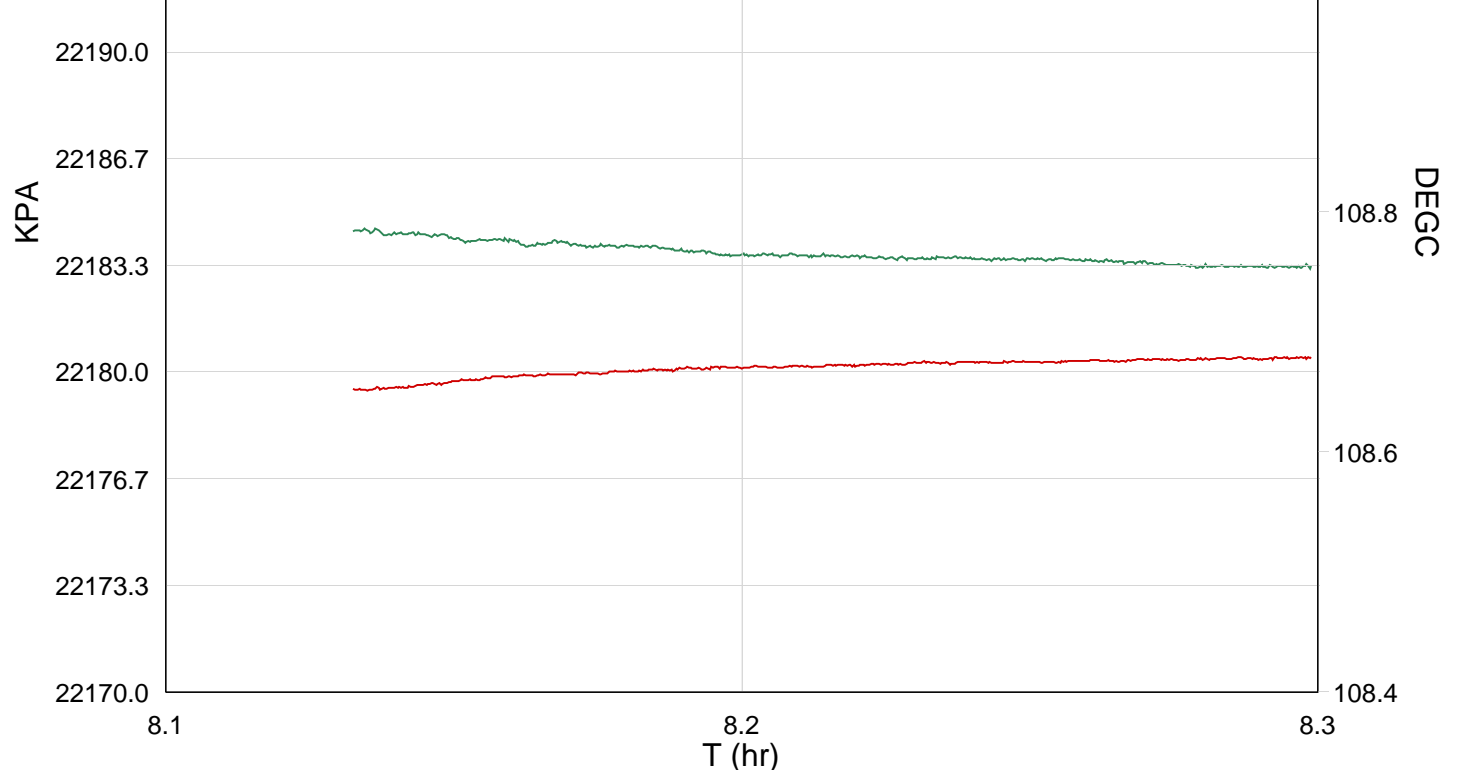
OP System Version: 15C0-309			
MCM			
MPEX-BA	SRPC-3546-Q1_2008_OP15	MPSU-CA	SRPC-3546-Q1_2008_OP15
CCL-PCCL	SRPC-3546-Q1_2008_OP15		

Output DLIS Files			
DEFAULT	MPBT_031LUP	FN:30	PRODUCER 17-Sep-2008 10:43

Static Pressure/Temperature Station  
Log @ 3085m MDKB ( sensor depth )

MAXIS Field Log



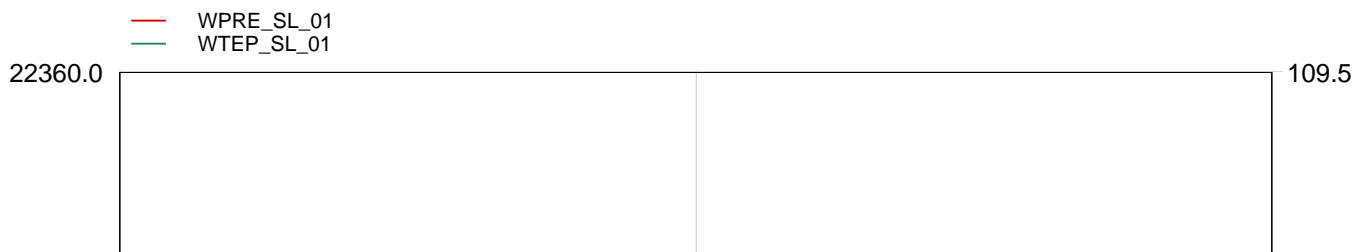


TIME	TOJ	DEGF	PSIA
5880.0000	8.1373	227.8966	3216.8571
5940.0000	8.1540	227.8820	3216.9017
6000.0000	8.1706	227.8757	3216.9269
6060.0000	8.1873	227.8687	3216.9460
6120.0000	8.2040	227.8594	3216.9608
6180.0000	8.2206	227.8533	3216.9686
6240.0000	8.2373	227.8542	3216.9789
6300.0000	8.2540	227.8486	3216.9827
6360.0000	8.2706	227.8429	3216.9928
6420.0000	8.2873	227.8376	3216.9972

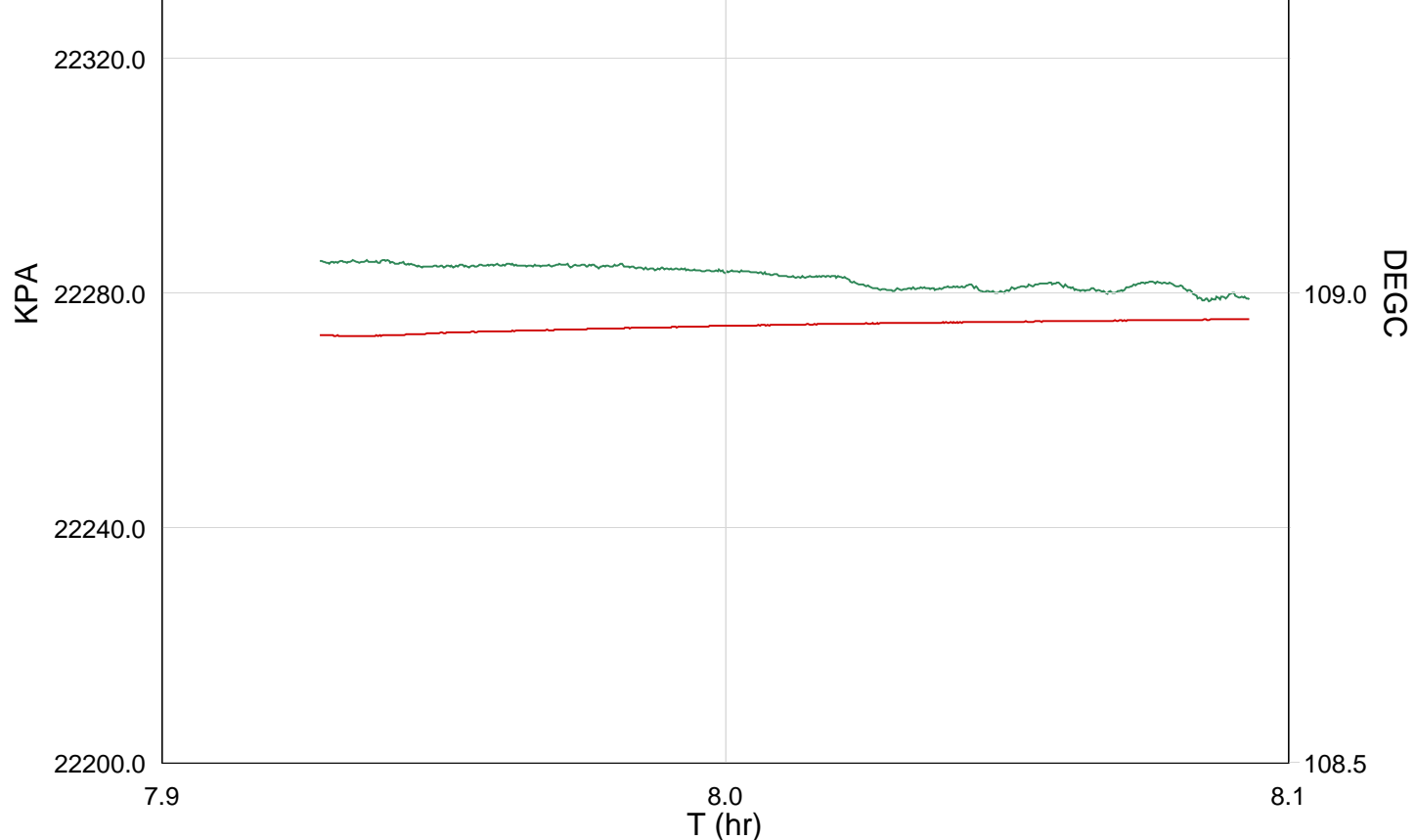
**Schlumberger**

Static Pressure/Temperature Station  
Log @ 3095m MDKB ( sensor depth )

MAXIS Field Log







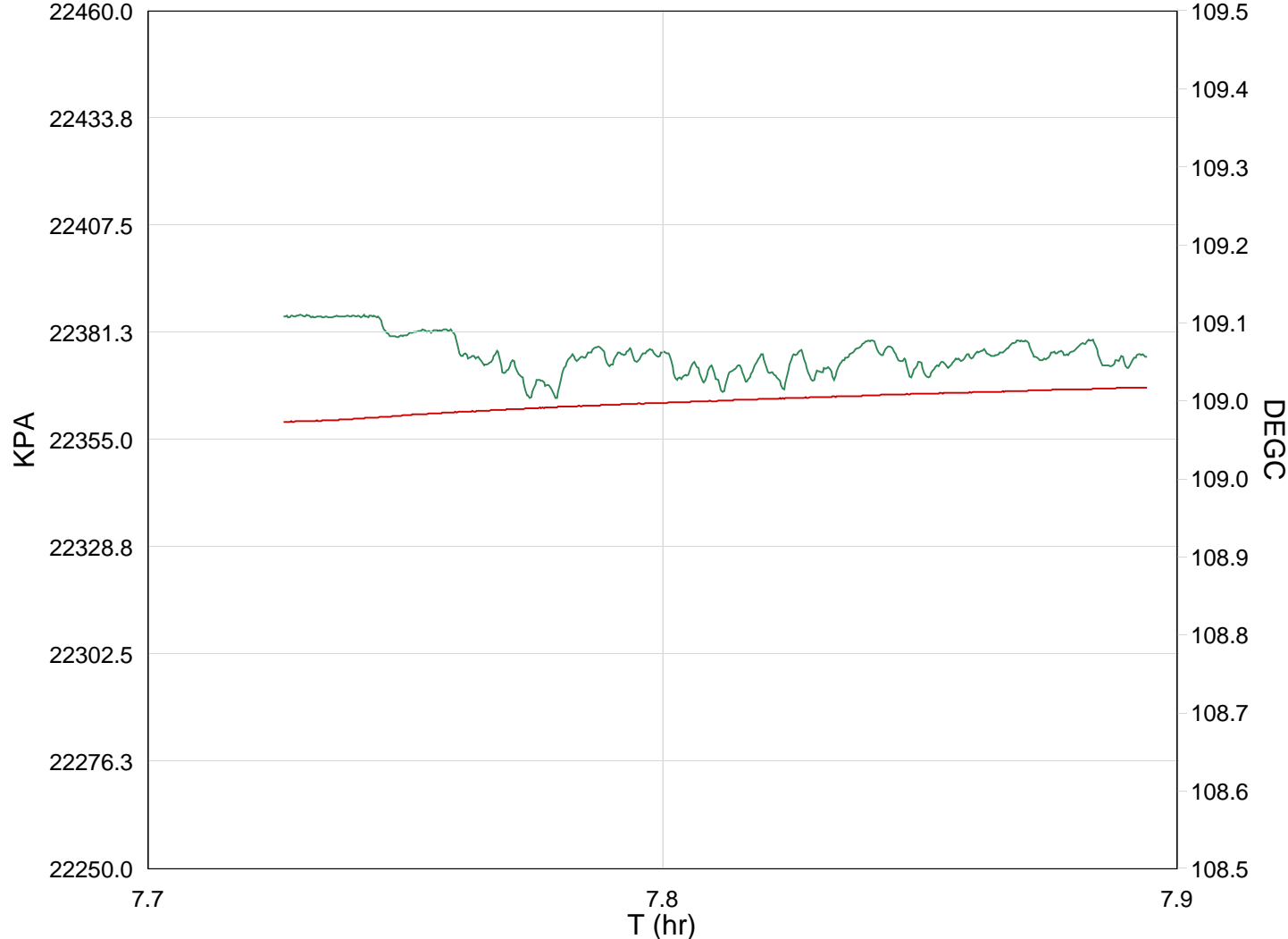
TIME	TOJ	DEGF	PSIA
5100.0000	7.8862	227.0567	3213.3399
5160.0000	7.9372	228.2605	3230.4038
5220.0000	7.9539	228.2531	3230.4920
5280.0000	7.9705	228.2575	3230.5513
5340.0000	7.9872	228.2486	3230.6078
5400.0000	8.0039	228.2432	3230.6536
5460.0000	8.0205	228.2330	3230.6968
5520.0000	8.0372	228.2084	3230.7233
5580.0000	8.0539	228.2174	3230.7549
5640.0000	8.0705	228.2056	3230.7775
5700.0000	8.0872	228.1936	3230.8031

**Schlumberger**

Static Pressure/Temperature Station  
Log @ 3105m MDKB ( sensor depth )

MAXIS Field Log

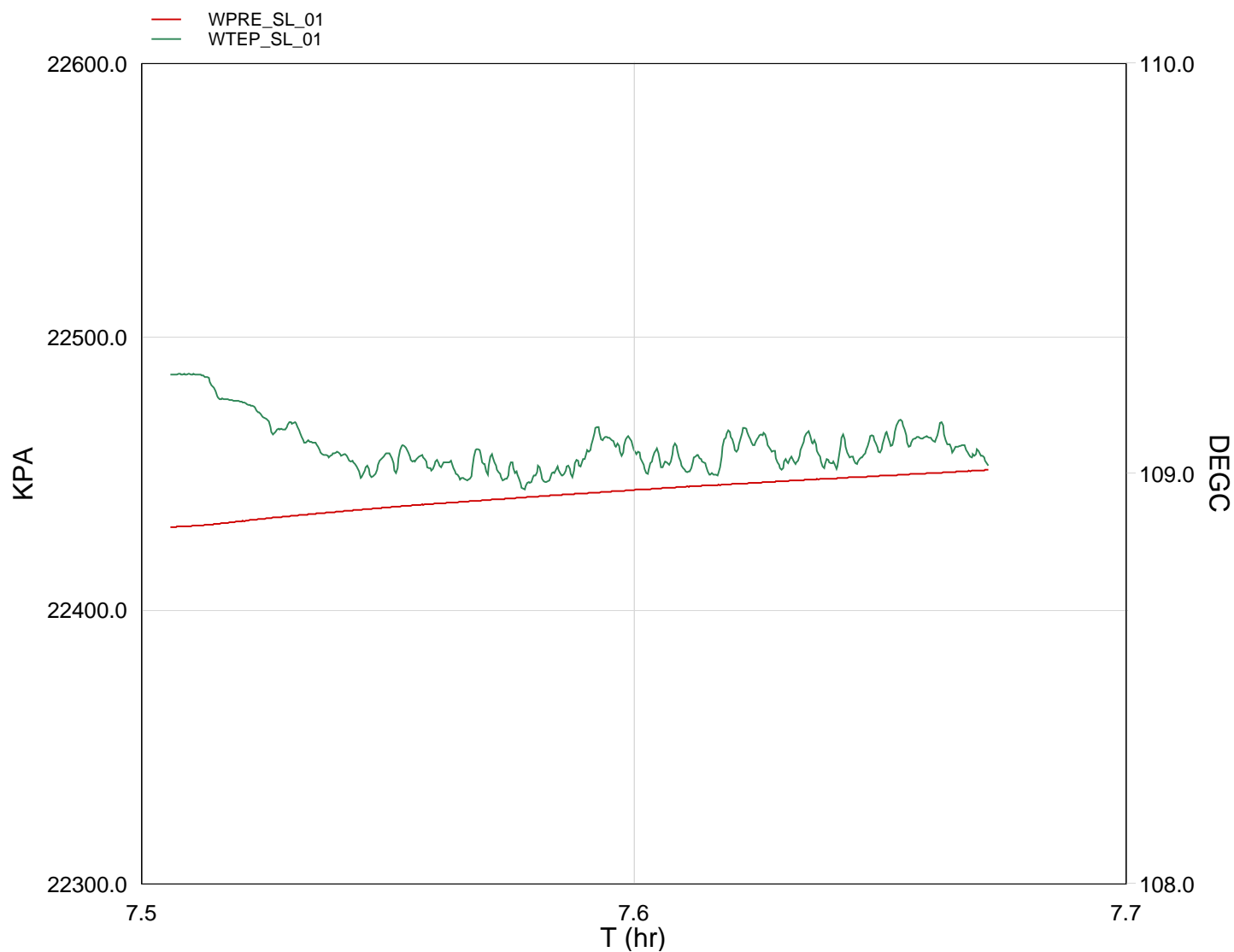
— WPRE\_SL\_01  
— WTEP\_SL\_01



TIME	TOJ	DEGF	PSIA
4380.0000	7.6891	227.3557	3227.3045
4440.0000	7.7372	228.4598	3243.0344
4500.0000	7.7538	228.4303	3243.2413
4560.0000	7.7705	228.3595	3243.4043
4620.0000	7.7872	228.3942	3243.5435
4680.0000	7.8038	228.3313	3243.6645
4740.0000	7.8205	228.3444	3243.7817
4800.0000	7.8372	228.3851	3243.8773
4860.0000	7.8538	228.3579	3243.9788
4920.0000	7.8705	228.4088	3244.0643
4980.0000	7.8872	228.3552	3244.1491

**Schlumberger**

Static Pressure/Temperature Station  
Log @ 3115m MDKB ( sensor depth )



TIME	TOJ	DEGF	PSIA
3600.0000	7.4925	228.2292	3247.5045
3660.0000	7.5207	228.5135	3253.5925
3720.0000	7.5374	228.2830	3254.0323
3780.0000	7.5541	228.3009	3254.4020
3840.0000	7.5707	228.2590	3254.7123
3900.0000	7.5874	228.1916	3255.0202
3960.0000	7.6041	228.2861	3255.3076
4020.0000	7.6207	228.2995	3255.5624
4080.0000	7.6374	228.2929	3255.8109
4140.0000	7.6541	228.4364	3256.0398
4200.0000	7.6704	228.2817	3256.2787

Company: Esso Australia Pty Ltd.

Well: A-24a

Input DLIS Files

DEFAULT PSP\_020LUP FN:19 PRODUCER 17-Sep-2008 08:23 3133.5 M 2539.3 M

Output DLIS Files

DEFAULT PSP\_021PUP FN:20 PRODUCER 17-Sep-2008 09:04 3133.2 M 2534.1 M

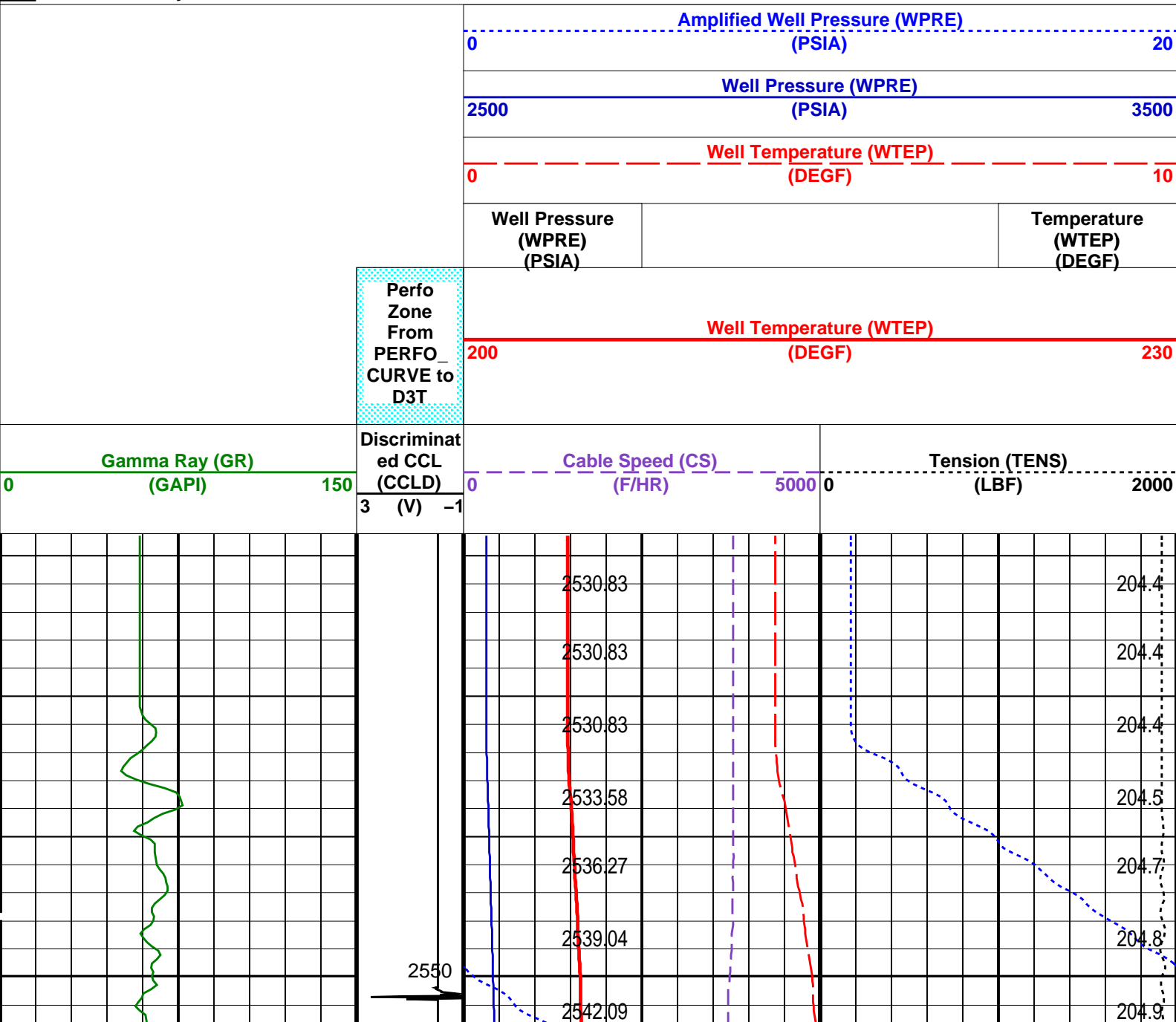
OP System Version: 15C0-309

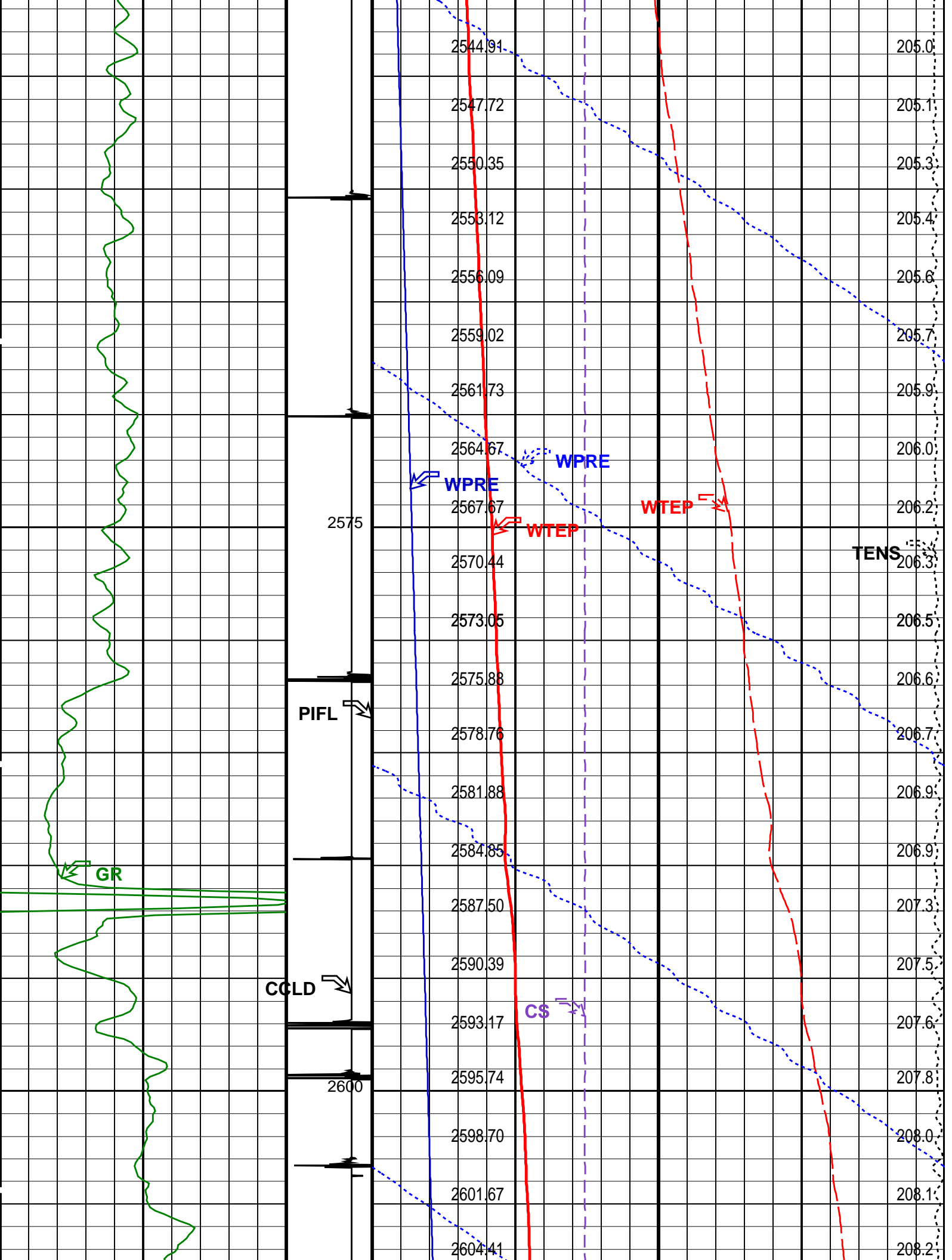
MCM

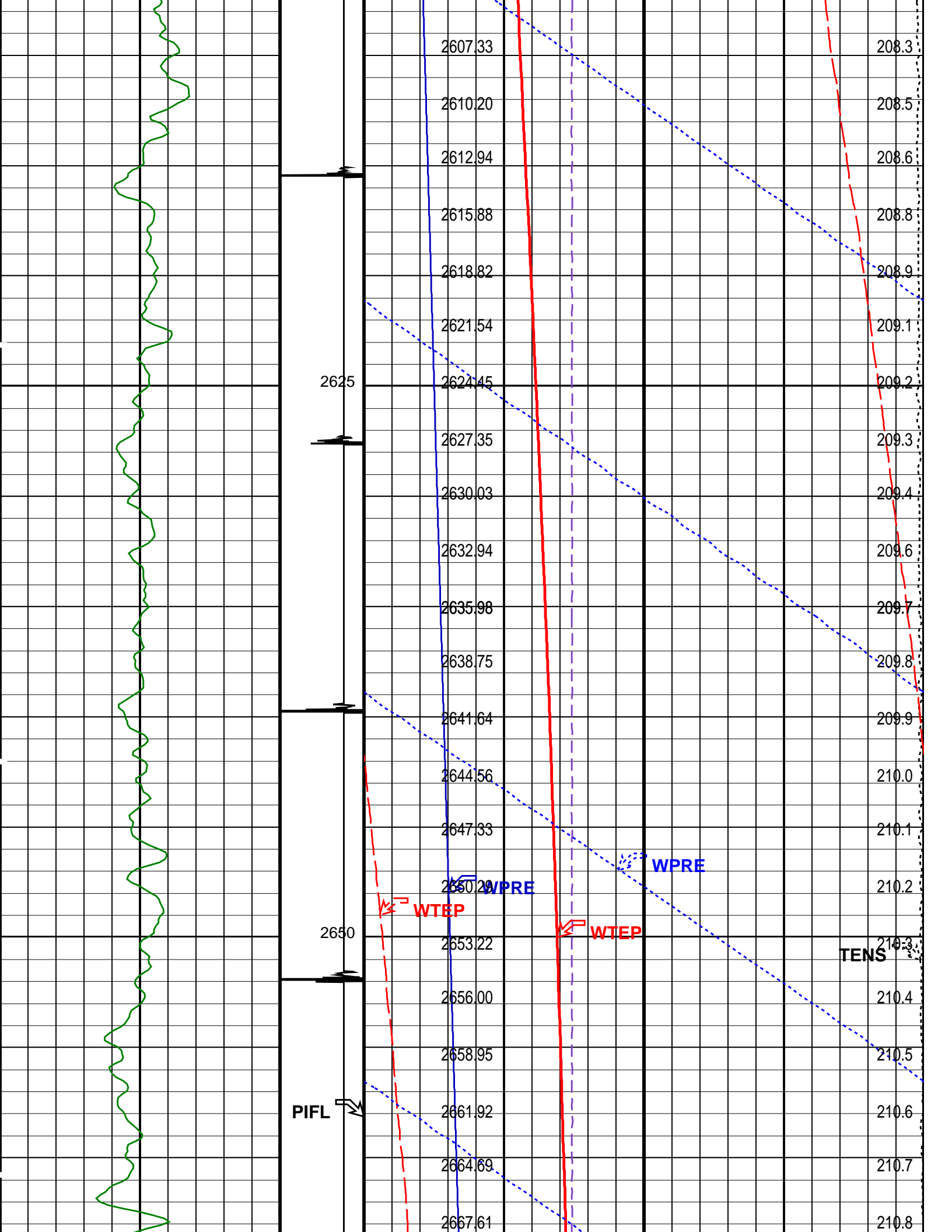
PSPT-B SRPC-3546-Q1\_2008\_OP15

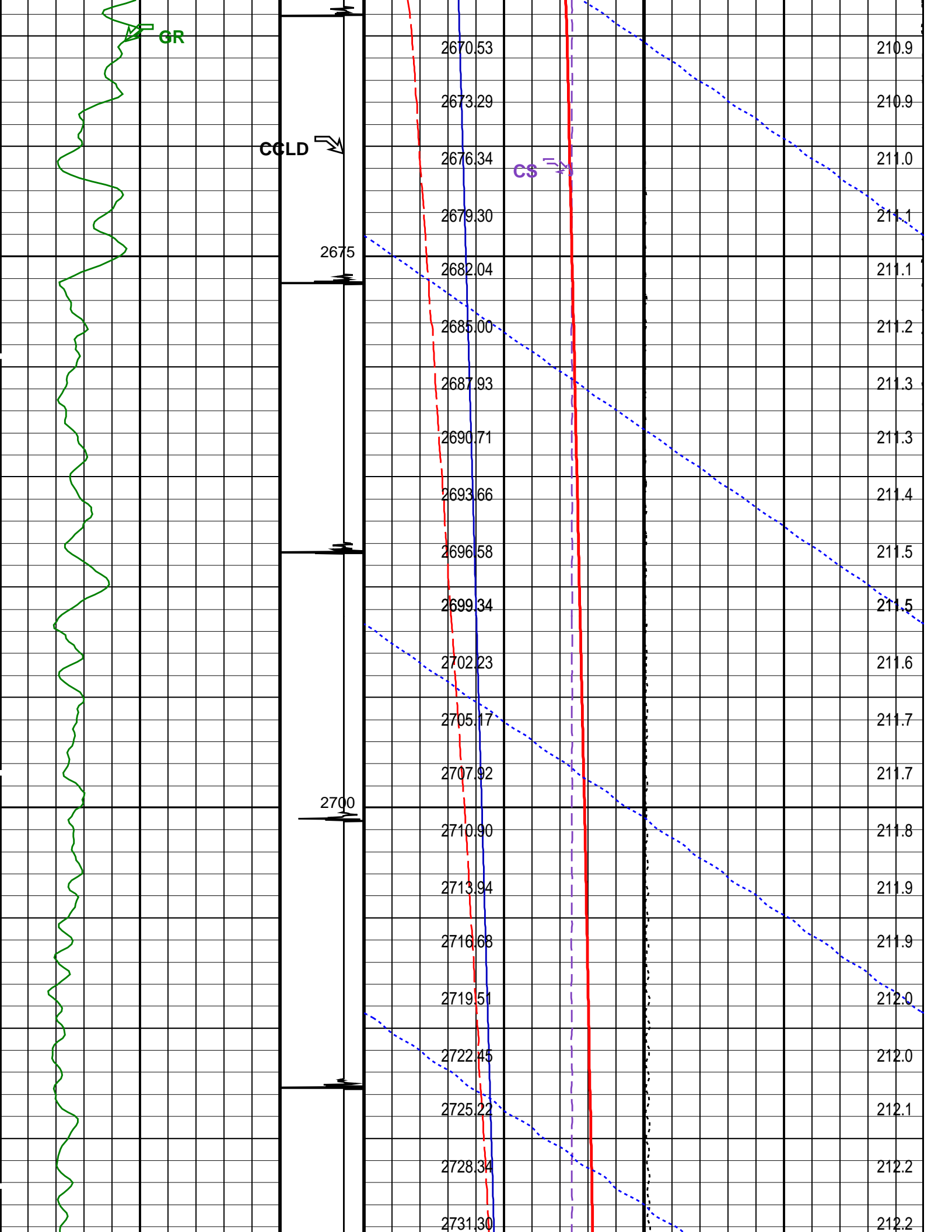
PIP SUMMARY

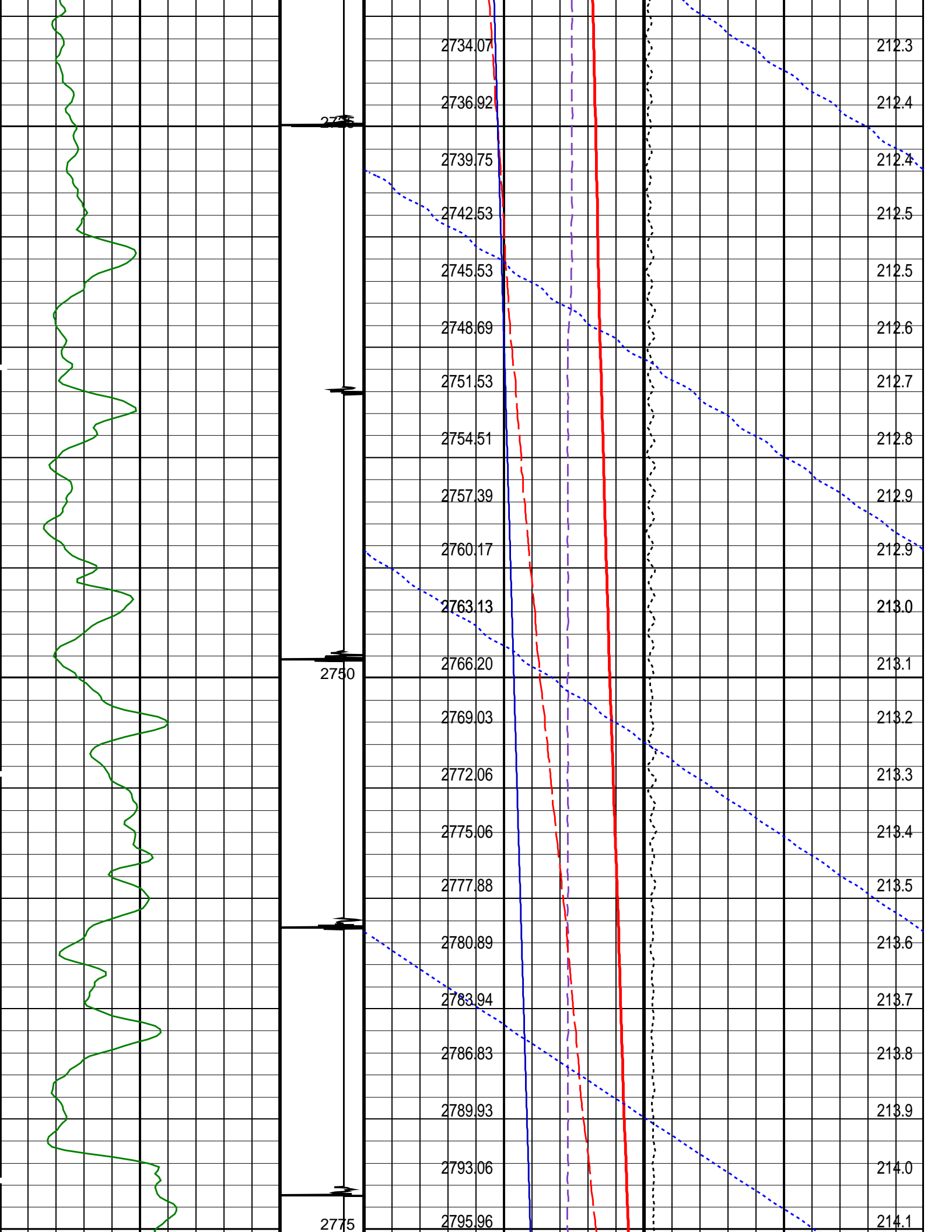
Time Mark Every 60 S



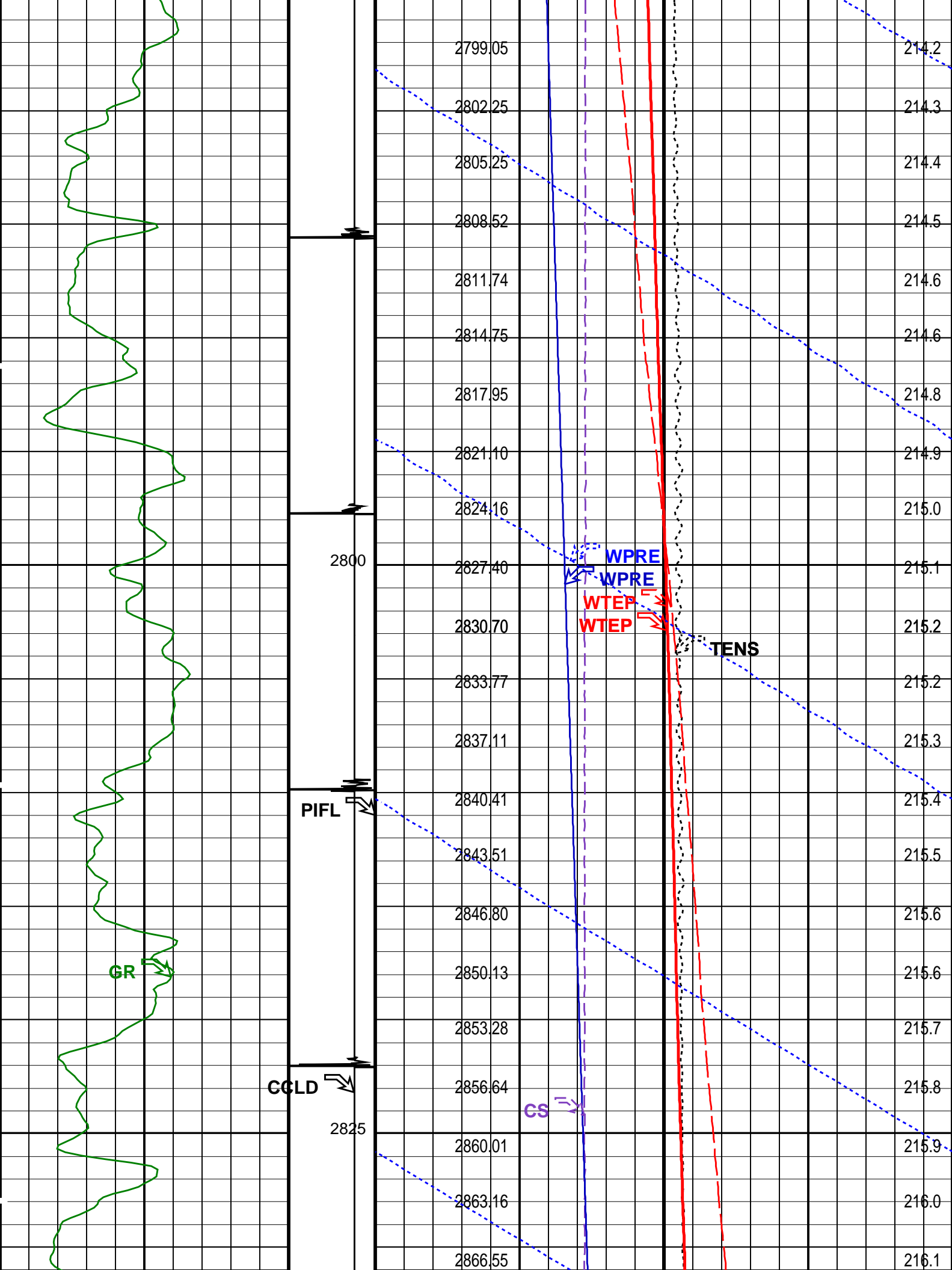


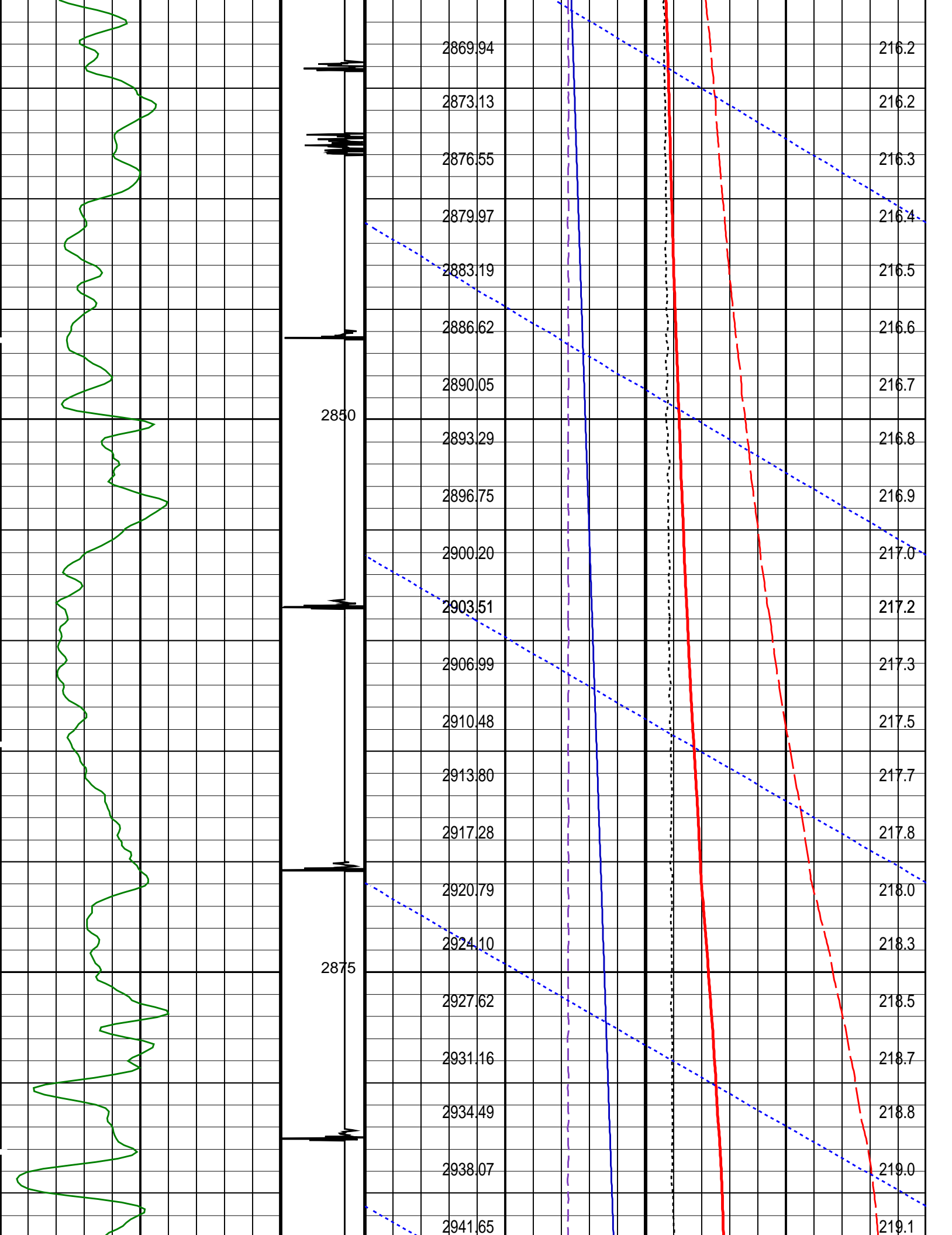


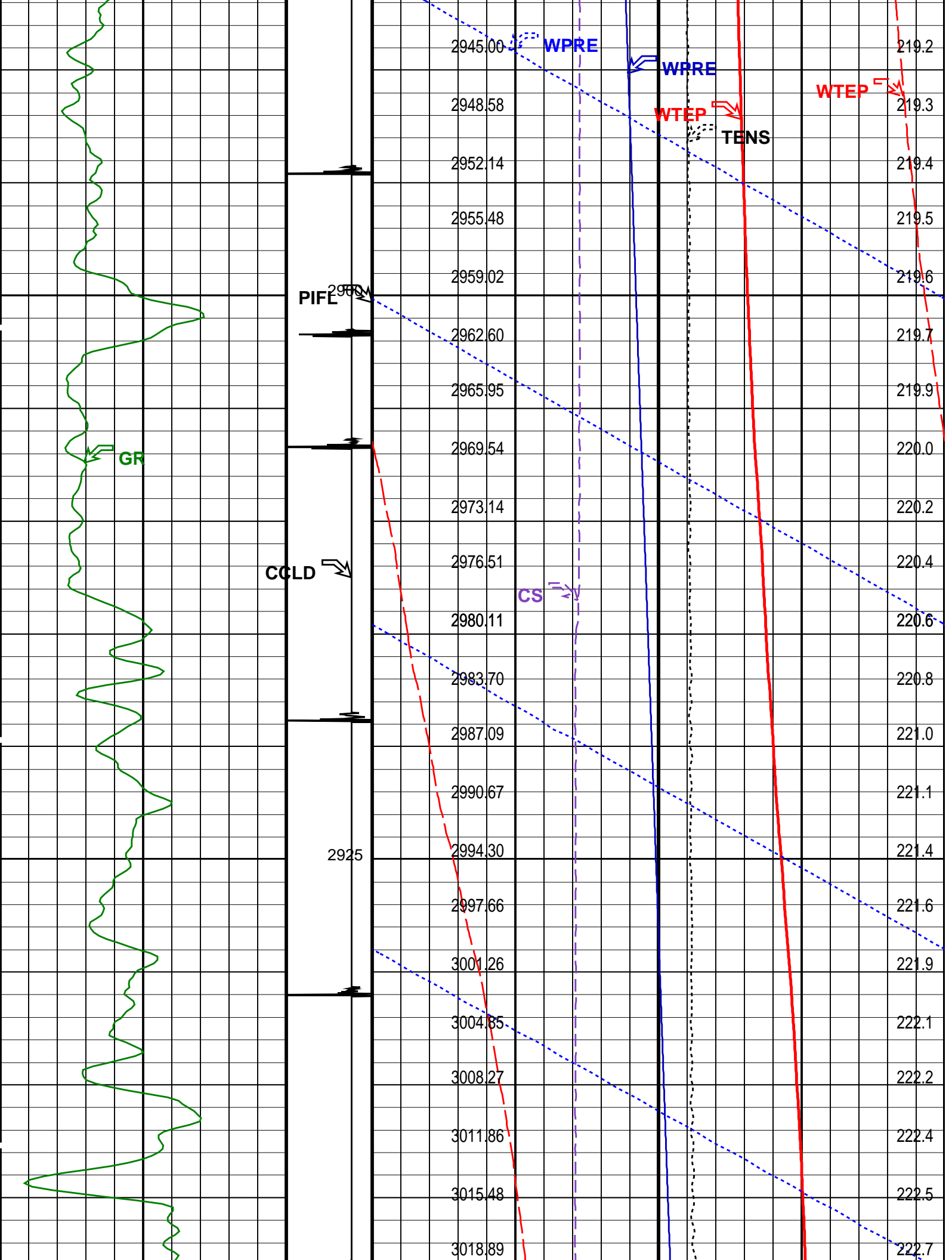


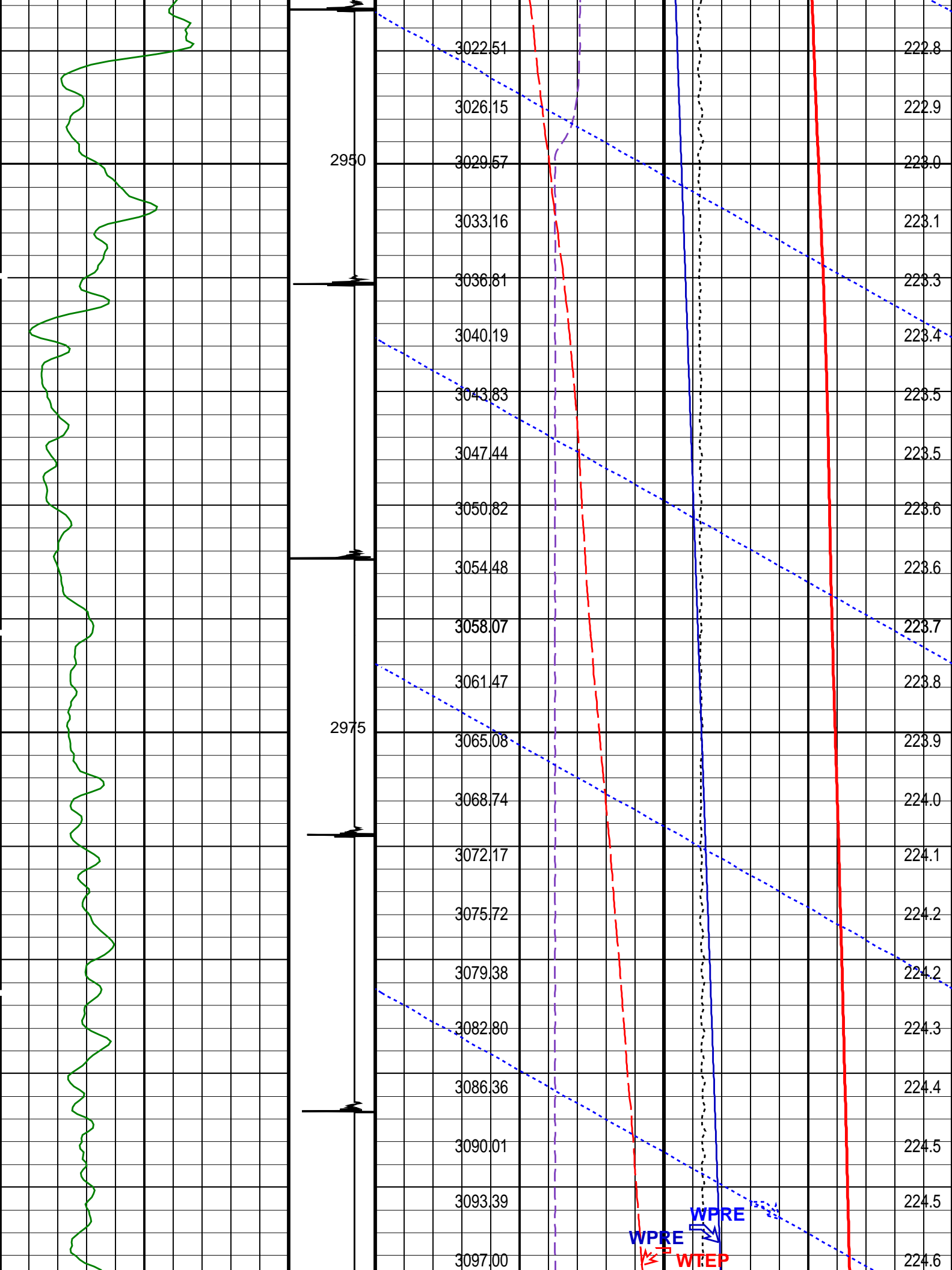


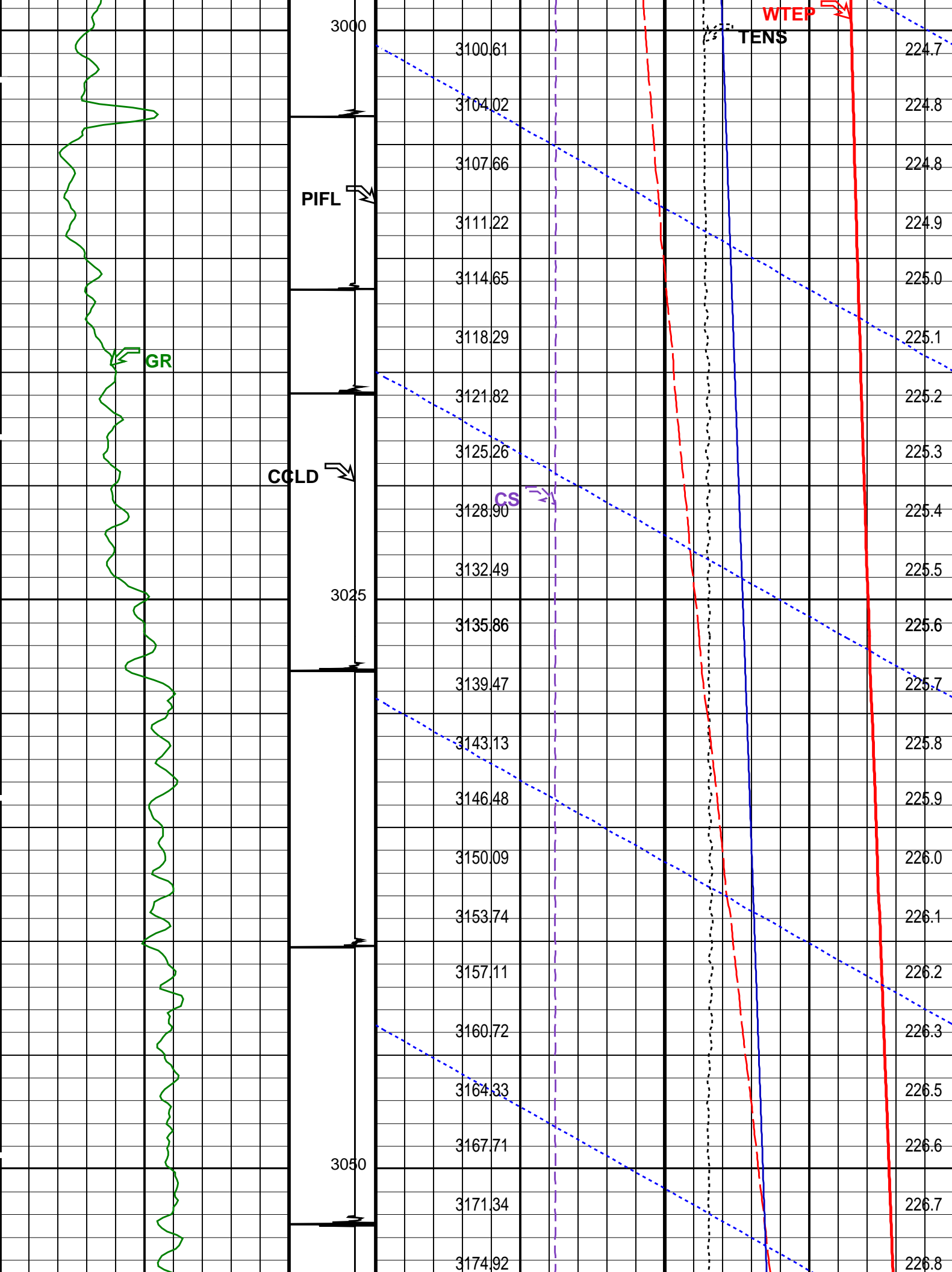


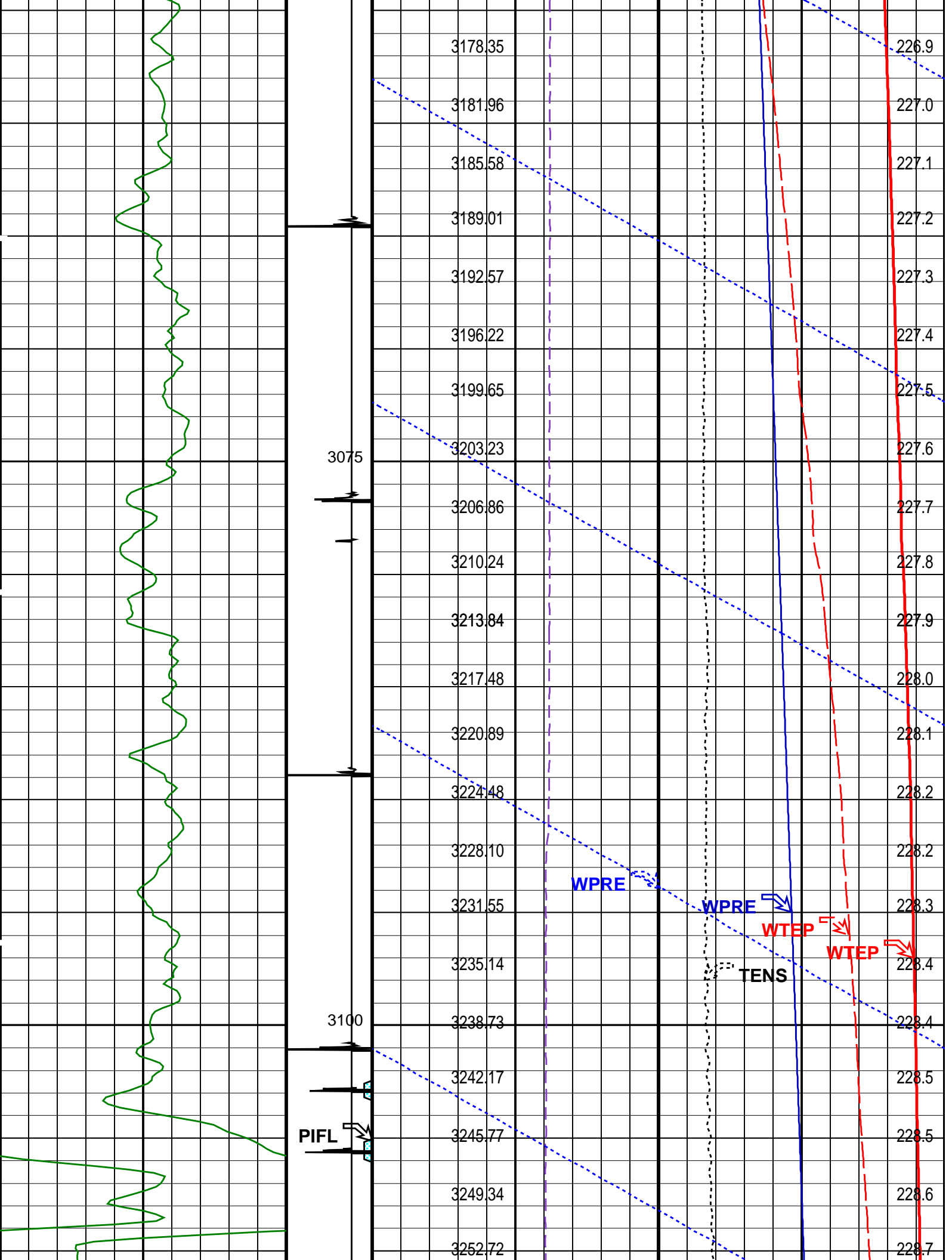


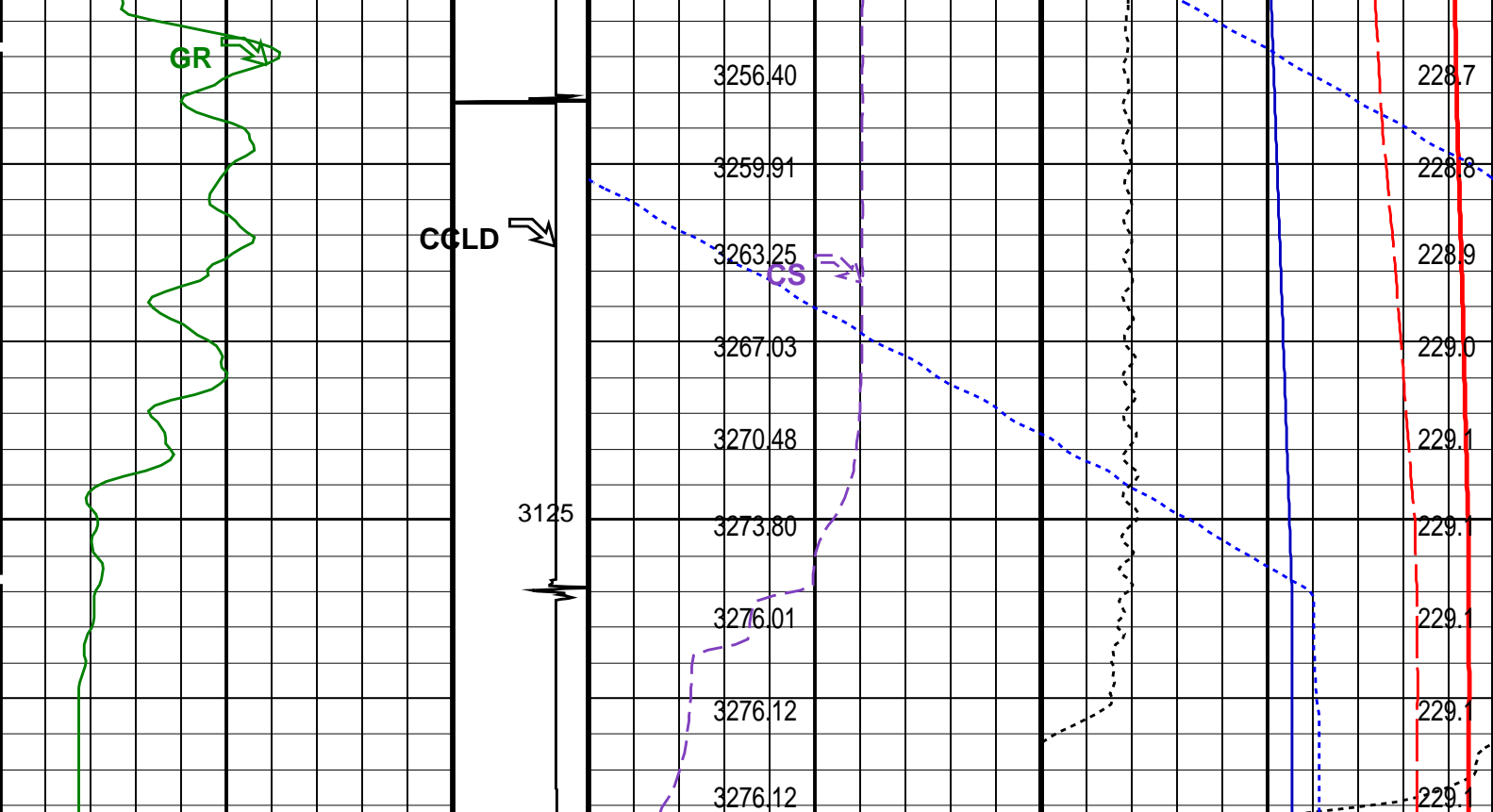












Gamma Ray (GR) (GAPI)	Discriminat ed CCL (CCLD) (V)	Cable Speed (CS) (F/HR)	Tension (TENS) (LBF)
0 150	3 -1	0 5000	0 2000

Perfo Zone From PERFO_ CURVE to D3T			Well Temperature (WTEP) (DEGF)	
			200	230
			Well Pressure (WPRE) (PSIA)	Temperature (WTEP) (DEGF)
			Well Temperature (WTEP) (DEGF)	
			0	10
			Well Pressure (WPRE) (PSIA)	
			2500	3500
			Amplified Well Pressure (WPRE) (PSIA)	
			0	20

PIP SUMMARY

Time Mark Every 60 S

Format: PSP\_1 Vertical Scale: 1:200 Graphics File Created: 17-Sep-2008 09:04

OP System Version: 15C0-309  
MCM

PSPT-B SRPC-3546-Q1\_2008\_OP15

Parameters		
DLIS Name	Description	Value
DO	System and Miscellaneous	
PP	Depth Offset for Playback Playback Processing	-0.3 M NORMAL

Input DLIS Files

Input DLIS Files					
DEFAULT	PSP_020LUP	FN:19	PRODUCER	17-Sep-2008 08:23	3133.5 M 2539.3 M
Output DLIS Files					
DEFAULT	PSP_021PUP	FN:20	PRODUCER	17-Sep-2008 09:04	

Company:	Esso Australia Pty Ltd.	Schlumberger
Well:	A-24a	
Field:	Flounder	
Rig:	Prod 4 / Crane	
Country:	Australia	
2-1/8" Phased Powerjet MWPT Perforation Record 7" Posiset Plug Setting Record		